

Index

- AAPOR (American Association of Public Opinion Research), survey studies, 850
- abbreviations
- academic degrees, 442-446
 - addresses, 449-450
 - address format, 449-456
 - agency names, 458-472
 - amino acids, 604-605
 - amino acids sequence variations, 607
 - article titles and subtitles, 12
 - Bethesda System for Reporting Cervical Cytology, 549-551
 - biological nomenclature, 741, 743-744
 - book edition numbers, 55
 - business firms, 458
 - chemical compounds, 526-527
 - chemokine terminology, 677-679
 - chromosome terminology, 640-644, 654-655
 - clinical and technical terms, 501-519
 - clot degradation terminology, 675
 - clotting factor terminology, 670-672
 - collaborative groups, 472
 - cross-references, 432
 - cytokine terminology, 684-685, 687
 - days of the week, months, eras, 448-449
 - definition, 441
 - DNA, 586-587
 - drug names, 574
 - echocardiographic terminology, 559-561
 - elements, 526-527
 - elements in isotope terminology, 707-710
 - endothelial factors terminology, 668-669
 - enzymes, 602-603
 - figures, 119
 - gene symbols, 609-632
 - genus, 743-744
 - gravity, 926
 - group authorship, 472
 - guidelines for, 442
 - headings, 26
 - hemostasis, 667-668
 - indexing, 429-430, 501
 - inhibition of coagulation terminology, 674
 - institutes, 458-472
 - interleukin terminology, 686-687
 - ISO (International Organization for Standardization), 456
 - isotopes, 527-528
 - journal individual word, 479-500
 - journal names, 48, 472-479
 - legal material citation format, 76-77
 - mathematical composition, 908
 - MEDLINE, 479-500
 - military services and ranks, 446-448
 - molecular neuroscience terminology, 730-733
 - molecular terms, 713-720
 - mouse strains, 656
 - names of persons, 456-458
 - No. (number), 829
 - nonhuman histocompatibility terminology, 694
 - nucleotide sequence variations, 593
 - ophthalmology terminology, 736-738
 - organization names, 454-455, 458-472
 - parentheses, 357
 - pluralization, 369
 - professional societies, 458-472
 - publisher reference citation format, 56
 - pulmonary and respiratory terminology, 771-774
 - punctuation, 334-335, 456-457
 - radioactive isotopes, 527-528
 - references, 41
 - RNA terminology, 598
 - running foot, 19
 - Salmonella* nomenclature, 751-752
 - in situ hybridization, 646-647
 - SI units, 790, 792
 - social titles, 456-458
 - spongiform encephalopathies terminology, 768-769
 - state and province names, 451-454
 - statistical, 900-902
 - tables, 92-96
 - time, 796
 - titles of persons, 446-448
 - units of measure, 519-525
 - usage rules, 501-502
 - vertebrae terminology, 723-724
 - viral terminology, 756, 758-759
- abnormal vs normal, negative, positive, usage, 381-382
- abort vs terminate, usage, 382
- Abridged Index Medicus*, 473
- abscissa, statistical definition, 853

- absolute risk, statistical definition, 853
- absolute risk reduction, statistical definition, 853
- abstracts
 - acknowledgments, 146
 - fair use, 199
 - indexing, 435-436
 - manuscript preparation, 11, 20-24, 836
 - online-only articles, 37
 - reference citation format, 49-50
 - scientific presentations, 292-293
 - structured, 4, 20-23, 325
 - tables totals and percentages, 89-90
 - unstructured, 23-24
- academic degrees, capitalization, 378
- accent marks in non-English words, 422-423
- acceptance date, 27
- acceptance of manuscript, 27-28
- access to data statement
 - acknowledgments, 183
 - disclosure, 173-174
 - International Committee of Medical Journal Editors, 142, 144-145, 183
 - peer reviewers, 183
- accident vs injury, usage, 382-383
- accuracy, statistical definition, 853
- acknowledgments
 - access to data statement, 142, 144-145, 182-183
 - additional contributions, 35-36
 - author contributions, 142-144
 - authorship, 14
 - authorship criteria, 130, 132
 - citation format, 36
 - conflict of interest, 170-173
 - contributions recognized, 140-141
 - degrees, 35
 - disclaimer, 33-34
 - editing assistance for manuscripts, 132
 - editorial assessment, 35
 - editorial assistance, 141
 - equipment in research, 584
 - financial disclosure, 30-31, 142
 - funding or grant support, 31, 140-141, 145-146, 173
 - group authorship, 30, 136, 141-142
 - institutional affiliation, 35-36
 - manuscript preparation, 27-36
 - nonspecific groups, 141
 - online journals, 35, 37
 - online sponsorship, 287
 - order of elements, 143-144, 146
 - patient and subject anonymity, 230
 - permission of those acknowledged, 146
 - previous presentations, 34
 - references in manuscripts, 837
 - reproduction of tables and figures, 34-35
 - reviewer credits, 222
 - sponsorship, 32, 145-146, 173
 - statistical analysis, 32-33, 35
 - table derivation, 95
 - written communications, 146
- acronyms
 - capitalization, 379-380
 - definition, 441
 - manuscript preparation, 10
 - tables, 96
- actuarial life-table method. *See* Cutler-Ederer method; life table
- acute vs chronic, usage, 383
- adapt vs adopt, usage, 383
- addenda, original article, 27
- addresses, 12-13, 28-29, 449-456
- adherence vs compliance, usage, 384
- adjectives, 322, 363
- adjustment, statistical definition, 853
- adopt vs adapt, usage, 383
- adverbs, 322-323
- adverse drug reactions, 566-567, 569
- adverse effect vs side effect, adverse event, adverse reaction, usage, 384
- advertising
 - advertising-to-editorial page ratio, 281
 - advertorials, 282-283
 - content, 278-280, 282
 - criteria for in health care, 278-280
 - editorial responsibilities, 276
 - e-prints, 287-288
 - reprints, 287-288
 - scheduling, 282
 - separation from editorial content, 310
 - sponsored supplements, 283-284
 - Web sites, 285
- advertorials, 282-283
- affect vs effect, usage, 384
- affiliation footnotes
 - conflict of interest, 172
 - format, 17-19
 - group authorship, 137
 - punctuation, 340
 - title page of manuscript, 28
- African American, usage, 415-416
- age, inclusive language, 416
- age, referents, 410
- agency names, abbreviations, 458-472
- age vs aged, school-age, school-aged, teenage, teenaged, usage, 384-385
- aggravate vs irritate, usage, 385
- aggregate data, statistical definition, 853
- agreement, statistical definition, 853
- airplane names, 372, 925
- algorithm, statistical definition, 853
- algorithms, visual illustrations, 107, 110
- alleles
 - bacterial gene terminology, 658
 - blood group terminology, 541
 - HLA terminology, 690-694

- immunoglobulin terminology, 700-701
- mouse gene terminology, 650-652, 654
- symbols, 628-632
- T-cell receptor gene terminology, 704
- yeast gene terminology, 657
- allelic variant, nomenclature, 594
- α (alpha), statistical definition, 854
- alphabetizing, 92, 425-429, 432
- ALPSP (Association of Learned and Professional Scholarly Publishers), 185, 193, 974
- although vs though, usage, 385
- American Association of Public Opinion Research (AAPOR), 850
- American Clinical Neurophysiology Society, 724
- American Medical Writers Association (AMWA), 141, 973
- American Society of Magazine Editors
 - advertising policies, 276
 - advertorials, 282-283
 - sponsored supplements, 283
- amino acid terminology, 604-607
- among vs between, usage, 385
- analog and analogue, usage, 385
- analysis, statistical definition, 854
- analysis of covariance (ANCOVA), statistical definition, 854
- analysis of residuals. *See* linear regression
- analysis of variance (ANOVA), statistical definition, 854-855
- anatomy, terminology, 410
- ANCOVA (analysis of covariance), statistical definition, 854
- anonymity
 - acknowledgments, 141
 - authorship, 132-133
 - peer review, 221-222
 - photographs, 121
- anonymous authorship, 189
- ANOVA (analysis of variance), statistical definition, 854-855
- Ansari-Bradley dispersion test, statistical definition, 855
- Anthony Nolan Research Institute, 688
- antibodies, 538, 694-696 (*see also* monoclonal antibodies)
- Anticybersquatting Consumer Protection Act, 214
- antigens, nomenclature, 538-539
- Apgar score, 735-736
- apologetic quotation marks, 360
- apostrophe
 - compound terms, 362
 - eponyms, 778
 - joint possession, 362-363
 - plural formations, 363
 - possessive, 362
 - prime sign, 363
 - time and money, 363
- appendixes to articles, 36
- appositives, punctuation with comma, 337
- apt vs liable, likely, usage, 385-386
- area, dual reporting conventional and SI units, 794
- area under the curve (AUC), statistical definition, 855
- articles (a, an, the)
 - eponyms, 779
 - reference titles, 44, 46
 - usage, 412
- article titles
 - abbreviations, 12
 - capitalization, 12
 - city, state, and country names, 12-13
 - drug names, 11
 - genus and species names, 11-12
 - numbers, 11
 - reference citation format, 46
 - short title, 20
 - title page of manuscript, 8-13
- article types, 3-5
- article vs manuscript, paper, typescript, usage, 386
- artifact, statistical definition, 855
- assessment, statistical definition, 855
- assignment, statistical definition, 855
- assignment of copyright, 193-196
- association, statistical definition, 855-856
- Association of Learned and Professional Scholarly Publishers (ALPSP), 185, 193, 974
- association vs relationship, usage, 386
- assure vs ensure, insure, usage, 386-387
- as vs because, since, usage, 386
- attenuate vs attenuation, usage, 387
- attributable risk, statistical definition, 856
- attributable risk percentage, statistical definition, 856
- attributable risk reduction, statistical definition, 856
- AUC (area under the curve), statistical definition, 855
- audiotapes, reference citation format, 62
- audit of editorial process, 272-274
- author information, 16-19
- author pays, definition, 184-185
- authorship
 - acknowledgments, 129, 132
 - anonymous authorship, 132-133
 - author contributions, 29-30, 142-144
 - changes in, 134-135
 - conflict of interest, 129-130
 - conflict of interest disclosure, 170-173
 - contributor, 128
 - copyright, 191-193
 - corresponding author, 129
 - criteria, 128-130
 - death/incapacitation of author, 131

- authorship (*continued*)
 definition, 127-128
 funding or grant support, 31
 ghost authors, 131-132
 group and collaborative, 14, 51, 135-137, 472
 guest authorship, 131
 number of authors, 133-134
 online-only articles, 37
 order of, 134
 pseudonymous authorship, 132-133
 scientific misconduct, 166
 title page of manuscript, 13
 authors' names, reference citation format, 44-45, 54
 average, statistical definition, 856
 awards, capitalization, 372, 376
 axis labels in figures, capitalization, 119
 axis terms in electrocardiography, 556
- back-formations of words, 407-408
 bacterial nomenclature
 gene terminology, 658
 principles of, 531-532
 strains, 752
 terminology, 748-753
 bar graphs, 101-104, 114
 base moieties in drug names, 570-572
 base units in SI, 788
 Bayesian analysis, statistical definition, 856
 B-cell terminology, 701
 because of vs caused by, due to, owing to, usage, 387
 because vs as, since, usage, 386
 Belmont Report, 227-228
 Berne Convention, 188, 207-208
 β (beta) level, statistical definition, 856-857
 Bethesda System for Reporting Cervical Cytology, 549-551
 between vs among, usage, 385
 bias
 conflict of interest, 171
 industry-sponsored studies, 173-174
 meta-analysis, 848
 peer reviewers, 174-175
 selection in case-control study, 846-847
 selection in case series, 847
 in study design, 838
 bias, statistical definition, 857
 biblical material, in references, 62, 343
 bibliographic databases
 duplicate submission, 151-152
 group authorship identification, 136-138
 libelous material, 241
 retractions, 161-162
 bibliographic elements in references, 41
 bimodal distribution, statistical definition, 857
 binary variable, statistical definition, 857
 binomial distribution, statistical definition, 857
 binomial species names, 742-744
 binomial style for virus species, 759
 BioCode, 741
 biological plausibility, statistical definition, 857
 biopsy, usage, 387-388
 bivariate/bivariable analysis, statistical definition, 857
 Bland-Altman plot, statistical definition, 857
 blinded (masked) assignment, statistical definition, 858
 blinded peer review, 220-221, 264-265, 306-307
 blinding vs masking, usage, 388, 738
 block quotations, 361-362
 block randomization, statistical definition, 858
 blood gas terminology, 771-774
 blood group terminology, 536-542, 615-616
 blotting terminology, 601
 B-lymphocyte terminology, 701
 boldface type
 indexing, 431
 table stubs, 87
 totals in tables, 89
 usage, 924-925
 Bonferroni adjustment, statistical definition, 858
 book reviews
 authorship criteria, 129
 conflict of interest disclosure, 171
 format, 5
 libel, 239
 reference format, 51
 books
 chapter title reference citation, 53-54
 online books, references, 42
 page number citation format, 56
 print references, 42
 punctuation in references, 56
 reference citation format, 46, 67-68
 titles in italics, 925
 bootstrap analysis, 849
 bootstrap method, statistical definition, 858
 box and whisker plot, 106, 114
 boxes, 123
 brackets
 case change in quotations, 359
 ellipses and capitalization change, 365
 formulas, 358, 910
 mathematical composition, 908-909
 within parentheses, 358
 quotations, 357-358
 breastfeed vs nurse, usage, 388
 brief reports, 3
 British Approved Names (BAN), 565
 Brown-Mood procedure, statistical definition, 859
 business firms, abbreviations, 458
 bylines
 acknowledgments, 146
 author affiliations, 18-19
 corresponding author, 28-29

- death of an author, 17
 - disclaimer, 33-34
 - group authorship, 15-16, 135-136
 - number of authors, 133-134
 - pseudonymous authorship, 133
 - punctuation, 15-16
 - reference citation format, 51, 67
 - title page of manuscript, 13-14
- cadaver vs donor, usage, 388
- Caenorhabditis elegans*, gene terminology, 657
- cancer terminology, 546-551, 833
- can vs may, usage, 388
- capitalization
- academic degrees, 378
 - acronyms, 379-380
 - airplanes, 372
 - article titles, 12, 371
 - awards, 372, 376
 - axis labels in figures, 119
 - bacterial gene terminology, 658
 - book chapter references, 53
 - broadcasts, 372
 - chromosome terminology, 654
 - compass directions, 375
 - complement terminology, 681-682
 - composite figures, 117
 - computer terms, 380
 - conferences, 377-378
 - conjunctions, 372, 377-378
 - coordinating conjunctions, 372
 - corporations, 372
 - deities, 377
 - designators, 378-379
 - DNA sequences, 592
 - drug names, 376
 - electrocardiography terminology, 555-556
 - electronic systems, 372
 - enumerations in tables, 829
 - eponyms, 376, 778
 - equipment, 376
 - Escherichia coli*, 749
 - events, 376
 - figures, 119, 378-379
 - gene symbols, 609
 - genus and species names, 372, 377
 - geographic names, 374
 - governmental agencies, 377-378
 - Gram stain, 749-750
 - Greek letters, 372, 781-782
 - headings, 372
 - holidays, 377
 - hyphenated compounds, 373-374
 - hyphenation, 347
 - indexing, 429
 - institution names, 377-378
 - intercapped compounds, 380
 - interleukin terminology, 686-687
 - legislation, 376
 - mathematical composition, 912
 - monuments, 372
 - mouse and rat gene nomenclature, 649-650
 - mouse gene terminology, 633
 - mouse strains, 655
 - musical compositions, 372
 - non-English words, 46, 422
 - nucleotides, 593
 - numbers, 372
 - organisms, 47, 377, 742-743
 - organization names, 377-378
 - paintings, 372
 - planes (airplanes), 372
 - plays, 372
 - pluralization, 363
 - prefixes, 372
 - proprietary drug names, 568-569
 - proprietary names, 376, 584
 - pulmonary and respiratory terminology, 771-774
 - quotation marks, 360, 371
 - reference titles, 372
 - restriction enzyme terminology, 601
 - seasons, 377
 - sentences, 371
 - ship names, 372
 - SI units, 790
 - small caps, 772-774, 926
 - sociocultural designations, 375-376
 - software, 372
 - space vehicle names, 372
 - suffixes, 372
 - tables, 378-379
 - table stubs, 87, 371
 - taxa, 742-743
 - test names, 377
 - titles, 371-372
 - titles of persons, 378
 - trademarks, 372, 376
 - trade names, 380
 - uppercase usage, 924
 - use of ellipses, 365
 - viral terminology, 756-758
 - when not to use, 379
 - words derived from proper nouns, 376
 - yeast gene terminology, 657
- cardiology
- cardiac muscle terminology, 562
 - cellular and molecular terminology, 562-563
 - coronary artery angiographic classifications terminology, 561
 - echocardiographic terminology, 553-554
 - ejection fraction, 558
 - electrocardiography terminology, 553-563
 - gene terminology, 617-618
 - heart disease classification, 561-562

- cardiology (*continued*)
- heart sound terminology, 556
 - implanted cardioverters/defibrillators, 559-560
 - jugular venous pulse terminology, 557
 - murmur terminology, 557
 - pacemaker codes, 561-562
- case, statistical definition, 859
- case-control study, 846-847, 851
- case-control study, statistical definition, 859
- case-fatality rate, statistical definition, 859
- case reports, 4, 229-231
- cases, case-control study, 846-847
- case series, statistical definition, 859
- case series, study design, 847
- case vs patient, subject, client, consumer, usage, 388-389
- catatonic, usage, 389
- categorical data, statistical definition, 859
- categorical variable. *See* nominal variable
- cause/causation, statistical definition, 859
- caused by vs because of, due to, owing to, usage, 387
- CC chemokine subfamily, 677-678
- CD (cluster of differentiation) cell terminology, 679-680, 701-703
- CD-ROMs, 62, 67-68, 96
- cellular adhesion molecules, 619, 668
- cellular and molecular cardiology terminology, 562-563
- censored data, statistical definition, 859
- central limit theorem, statistical definition, 860
- central tendency, statistical definition, 860
- cesarean delivery vs cesarean section, usage, 389
- chapter numbers in book references, 56
- charge, 714
- chemical compounds, hyphenation, 351
- chemical formulas, 358, 526-527
- chemical names of drugs, 569
- chemical prefixes
- capitalization, 374
 - Greek letters, 781
 - indexing, 426
 - italics, 926
 - small caps, 926
- chemokine terminology, 677-679
- χ^2 test (chi-square test), statistical definition, 860
- Chicago Manual of Style*, citation format, 14
- chief complaint vs chief concern, usage, 389
- Chlamydia* and *Chlamydothila*, taxonomy, 748-749
- Chlamydothila*, 747-748
- choropleth map, statistical definition, 860
- chromosome terminology, 637-648, 652-655
- chronic vs acute, usage, 383
- chunk sample, statistical definition, 860
- circumlocution, 406-407
- cis*, 374
- citation
- duplicate publication, 148
 - figures, 120
 - group authorship, 137-138
 - legal material, 72-73
 - open-access publishing, 185
 - public domain, 199
 - punctuation, 42-44
 - references, 42-44
 - retractions, 161
- citation format, 14, 36
- classical material, reference citation format, 62
- classic vs classical, usage, 389-390
- clichés, 325
- client vs consumer, patient, case, subject, usage, 388-389
- clinical imaging, 112
- clinical practice guidelines, 4
- clinical terms, abbreviations, 501-519
- clinical trial registration, 183
- clinical trials, online-only articles, 37
- clinician vs practitioner, provider, usage, 390, 400-401
- clock referents, 411
- cloning vector terminology, 601
- clot degradation terminology, 675
- clotting factor terminology, 669-674
- coagulation test terminology, 675-676
- Cochran Q test, statistical definition, 860
- coding/tagging, proofreading, 932-933
- codons, DNA, 589, 591-592, 595, 604
- codons, RNA, 597-598
- codons, and amino acids, 604, 607
- coefficient of determination, statistical definition, 860-861
- coefficient of variation, statistical definition, 861
- cohort, statistical definition, 861
- cohort effect, statistical definition, 861
- cohort study, 846, 851
- cohort study, statistical definition, 861
- Collaborating Centre for International Drug Monitoring, 567
- collaborative authorship, references, 44-45
- collaborative groups, 51, 135-138, 472
- collective nouns, 319, 329
- collective works, copyright, 191-192
- colloquialisms, 324-325, 409
- colon
- biblical material, 343
 - definition, 342
 - enumerations, 343
 - numbers, 343
 - quotations, 343
 - ratios, 343, 832
 - references, 41, 343
 - time, 343
 - when not to use, 342-343

- colony-stimulating factor terminology, 577-578, 685-686
- colors (graphs), 114
- column headings, 86-87
- combination drug names, 572-573
- comma
 - addresses, 340
 - chromosome terminology, 646
 - conjunctions, 337-338
 - dates, 340
 - degrees and titles, 340
 - dialogue, 341
 - genotype terminology, 630
 - HLA terminology, 693
 - indicating omission, 341
 - numbers, 340-341
 - organization names, 337
 - parenthetical expressions, 338-339
 - placement, 341
 - quotations, 360
 - references, 41
 - separating groups of words, 336-337
 - series, 337-338
 - setting off phrases, 337-338
 - units of measure, 341
 - usage, 336
- Comment (Discussion), manuscript preparation, 26, 838
- Committee of the International Union of Biochemistry and Molecular Biology (NC-IUBMB), 721
- Committee on National Statistics, 181-183
- Committee on Publication Ethics (COPE)
 - editorial freedom, policies for, 253-257
 - informed consent, 227
 - peer review and confidentiality, 218-219
 - scientific misconduct and retraction, 160
- common fractions, 824
- compare to vs compare with, usage, 390
- compass directions, capitalization, 375
- compilations, copyright, 192
- complement terminology, 680-683
- compliance vs adherence, usage, 384
- compose vs comprise, usage, 390
- composite figures and legends, 116-117
- composition, manuscript preparation, 309
- compound official titles, hyphenation, 351-352
- compound subject, definition, 329-330
- compound words, hyphenation, 344-348
- comprise vs compose, usage, 390
- computer terms, capitalization, 380
- conclusions, 22-23
- concordant pair, statistical definition, 861
- conditional probability, statistical definition, 861
- conference reports, 5
- conferences, 200-201, 377-378
- confidence interval (CI), statistical definition, 861-862
- confidence intervals, 843, 850
- confidence limits (CLs), statistical definition, 862
- confidentiality
 - case reports, 229-231
 - conflict of interest, 175
 - definition, 218
 - editorial board members selection, 224
 - editors selection, 224
 - errors requiring correction, 180
 - financial disclosure, 177
 - HIPAA (Health Insurance Portability and Accountability Act), 230
 - journalistic privilege, 223-224
 - legal proceedings, 223-224
 - peer review, 158, 199, 218-223, 261-262, 264-265, 306-307
 - peer reviewers, 221
 - scientific misconduct, 158, 161, 166, 222
- conflict of interest
 - acknowledgments, 142, 170-173
 - author requirements, 170-173
 - authorship criteria, 129-130
 - defamation, 240-241
 - definition, 168
 - disclosure, 30-31
 - editorial assessment, 301
 - editorial board members, 175, 177, 271-272
 - editors, 175, 177
 - financial disclosure, 168-170, 177
 - industry-sponsored studies, 173-174
 - journal editors, 261-262
 - peer review, 169-170, 220
 - peer reviewers, 174-175, 177, 306
 - relevant, 169
 - unpublished material, 176
- confounding, case-control study, 846-847
- confounding, statistical definition, 862
- confounding variable, statistical definition, 862
- Congressional hearings in reference citations, 76
- conjunctions
 - capitalization, 372, 377-378
 - HLA terminology, 693
 - punctuation with comma, 337
- conjunctive adverbs, punctuation with
 - semicolon, 341-342
- consensus statement, 4
- CONSORT (Consolidated Standards of Reporting Trials)
 - equivalence and noninferiority trials, 843-846
 - flow diagrams, 107, 842
 - format for randomized controlled trial, 838-841
 - observational studies, 846
- constant gene segment, 699
- consumer vs client, case, patient, subject, usage, 388-389
- contingency coefficient, statistical definition, 862
- contingency table, statistical definition, 862
- continual vs continuous, usage, 390-391

- continuous data, statistical definition, 862
- contractions, 317, 322
- contrast vs. contrast agent, contrast material, contrast medium, usage, 391
- contributory cause, statistical definition, 863
- control, statistical definition, 863
- controlled clinical trial, statistical definition, 863
- controlled clinical trial, study design, 838-841
- controlled vocabulary, indexing, 24, 435-436
- controls, 388-389, 846-847
- convenience sample, statistical definition, 863
- copyediting, 308-309. *See also* manuscripts
- copyediting marks, 929-932
- copy marking, mathematical composition, 907
- copyright
- abstracts, 199
 - adaptation and reproduction, 197-200
 - anonymous authorship, 133, 189
 - assignment or license, 193-196
 - Association of Learned and Professional Scholarly Publishers (ALPSP), 185
 - authorship criteria, 129-130
 - collective works, 191-192
 - conferences, 200-201
 - correspondence, 198-199
 - definition, 179, 186
 - discussants, 200-201
 - DMCA (Digital Millennium Copyright Act), 188
 - domain names, 213-214
 - duplicate publication, 151-152
 - duration of protection, 188-193
 - electronic media, 188, 200-201
 - fair use exclusions, 200
 - federal employees, 195-196
 - history, 186
 - institutional owners, 196
 - international, 207-208
 - international treaties, 188
 - Internet, 188
 - liability concerns, 241-242
 - linking and framing, 200
 - misappropriation of data, 158
 - moral rights of artists and writers and copyright, 208
 - notice and registration, 196-197
 - oral communications, 199
 - ownership, 179-184
 - permission of those acknowledged, 146
 - pseudonymous authorship, 189
 - reprint permissions, 202-207
 - reproduction or adaption permission, 202
 - resources, 208-209
 - trademarks, 210-214
 - trade names, 213
 - transfer, 195, 200-201
 - US Copyright Law of 1976, 187-188
 - written communications, 199
- Copyright and Performances and Phonograms Treaty, 188
- coronary artery angiographic classifications terminology, 563
- corporations, capitalization, 372
- corrections
- citations in listed references, 52
 - error in published material, 310
 - notices, duplicate publication, 52
 - reference citation format, 52
 - scientific errors, 162
- correlation, statistical definition, 863
- correlation coefficient, statistical definition, 863-864
- correlative conjunctions, 325-326
- correspondence, 5, 177, 198-199. *See also* letters to the editor
- corresponding author
- access to data statement, 173
 - acknowledgments, financial contributions, 141
 - authorship criteria, 129, 131
 - contact information, 28-29
 - duplicate publication, 151
 - group authorship, 135, 137
 - scientific misconduct, 160, 166
- cost-benefit analysis, statistical definition, 864
- cost-benefit analysis, study design, 849
- cost-effectiveness analysis, statistical definition, 864
- cost-effectiveness analysis, study design, 849
- cost-utility analysis, statistical definition, 864
- Council of Science Editors (CSE)
- authorship criteria, 129
 - conflict of interest, 169
 - editorial freedom, policies for, 253-257
 - peer review and confidentiality, 218-219
 - scientific misconduct and retraction, 160
- covariates, statistical definition, 864
- covert duplication. *See* duplicate publication
- Cox-Mantel test, statistical definition, 864
- Cox proportional hazards [regression] model, statistical definition, 864
- cranial nerve terminology, 722-723
- credit lines, acknowledgments, 146
- criterion standard, statistical definition, 864
- Cronbach α , statistical definition, 865
- cross-design synthesis, statistical definition, 865
- crossover design, statistical definition, 865
- crossover trial, study design, 842-843
- cross-references
- abbreviations, 430, 432
 - alphabetizing, 432
 - corrections to published material, 310
 - double posting, 428, 432-433
 - indexing, 426, 428
 - vocabulary control, 435
- cross-sectional study, 843-844, 851
- cross-sectional study, statistical definition, 865

- crude death rate, statistical definition, 865
- C statistic, statistical definition, 859
- cumulative incidence, statistical definition, 865
- currency (money), 817-818, 823
- Cutler-Ederer method, statistical definition, 865
- cut point, statistical definition, 865
- CXC chemokine subfamily, 677-678
- CXC3 chemokine subfamily, 677-678
- cybersquatting, 214
- cytokine terminology, 684-685
- dagger to indicate death of an author, 17
- DALYs (disability-adjusted life-years), 849
- DALYs (disability-adjusted life-years), statistical definition, 868
- dangling participles, 323
- dashes, 344, 352-353
- data, statistical definition, 865
- databases
- bacterial gene terminology, 658
 - embedded indexing, 436
 - Enzyme Nomenclature Database, 721
 - genomic sequence information, 596-597
 - HGVS, 593-594
 - IMGT/HLA Sequence Database, 688
 - Mouse Genome Database, 650
 - nucleotides, 597
 - Online Mendelian Inheritance in Animals (OMIA), 657
 - Online Mendelian Inheritance in Man (OMIM), 610, 631
 - proteins, 597
 - Rat Genome Database, 650
 - reference citation format, 70-71
 - SearchGenes (Human Gene Nomenclature Database), 610
 - viral nomenclature, 756
- data dredging, statistical definition, 866
- data extraction in review or meta-analysis
- abstract, 23
- data sharing, 181-183
- data sources in review or meta-analysis, 22
- data synthesis in review or meta-analysis
- abstract, 23
- dates
- comma, 340
 - question mark, 335
 - references, 48, 56
 - virgule, 354
- days of the week, months, eras, abbreviations, 449-450
- death/incapacitation of author, 131
- death of an author, in byline, 17
- decimal forms of numbers, 793, 830
- decimals, 334
- decision analysis, statistical definition, 866
- decision trees, 107, 109
- defamation, definition, 235-238
- defamation laws, definition, 226
- defibrillator code terms, 560
- deflection terms in electrocardiography, 553-556
- degrees
- academic, 13, 442-446
 - acknowledgments, 35
 - manuscript preparation, 14-15
 - personal communications citations, 61
 - punctuation of honorifics, 334-335
 - punctuation with comma, 340
- degrees of freedom (*df*), statistical definition, 867
- dehumanizing language
- disciplines or specialties, 408-410
 - inclusive language, 412-416
 - patients vs cases, 388-389
 - survivor vs victim, 402
- deidentification, patient and subject anonymity, 232
- deities, capitalization, 377
- delayed open access, definition, 185
- Department of Health and Human Services, 156
- Department of Health and Human Services Regulations for the Protection of Human Subjects, 228
- dependent clauses, punctuation with comma, 337
- dependent variable, statistical definition, 866
- derivative chromosomes, 647-648
- derivative works, 192, 199
- derived units, 788-789
- dermatome terminology, 723-724
- describe vs report, usage, 391
- descriptive articles, 4
- descriptive statistics, statistical definition, 866
- design, typography, 918-920
- designators, capitalization, 378-379
- device terminology, 583-584
- df* (degrees of freedom), statistical definition, 867
- diabetes mellitus terminology, 391
- diacritics in non-English words, 422-423
- diagnose vs evaluate, examine, identify, usage, 391
- diagnostic discrimination, statistical definition, 867-868
- diagnostic tests, study design, 849-850
- diagrams, 106-110, 120
- dialogue, 341, 359
- dichotomous variable, statistical definition, 868
- diction, definition, 324-325
- die from vs die of, usage, 391
- digital files, figures submission, 120
- digital images, 158-159, 199-200
- Digital Image Submission Criteria (DISC), 121
- Digital Millennium Copyright Act (DMCA), 188
- digital object identifier (DOI), 27-28, 63-67
- diphthongs, definition, 921
- direct cause, statistical definition, 868
- disability, inclusive language, 416-417
- disability-adjusted life-years (DALYs), 849

- disability-adjusted life-years (DALYs), statistical definition, 868
- disclaimer, acknowledgments, 33-34
- disclosure
- access to data statement, 173-174
 - conflict of interest, 169
 - editorial policy, 272
 - online peer reviewers, 174
 - peer review and confidentiality, 219-220
- discordant pair, statistical definition, 868
- discrete variable, statistical definition, 868
- discriminant analysis, statistical definition, 868
- discussants, 51-52, 200-201
- Discussion (Comment), manuscript preparation, 26, 838
- disc vs disk, usage, 392, 724, 737
- disease names, hyphenation, 350-351
- disinterested vs uninterested, usage, 392
- disks, intervertebral, terminology, 723-724
- dispersion, statistical definition, 868
- dissertations, reference citation format, 58-59
- distribution, statistical definition, 868
- diversity (D) gene segment, 699-700, 703-704
- division in mathematical composition, 910-911
- DMCA (Digital Millennium Copyright Act), 188
- DNA
- families terminology, 603-604
 - general terminology, 585-593
 - sequence terminology, 589-593
 - sequence variations, 593-597
- doctor vs physician, usage, 392
- DOI, 27-28, 63-67
- domain names, trademark protection, 213-214
- donor vs cadaver, usage, 388
- dosage vs dose, usage, 392
- dose-response relationship, statistical definition, 868
- dot (point) graph, 105-106
- double-blind vs single-blind peer review, 307
- double negatives, 322
- double posting, 426-428, 432-433, 435
- dropped cap, 924
- Drosophila melanogaster*, gene terminology, 656-657
- drug names
- article titles and subtitles, 11
 - capitalization, 376
 - Greek letters, 781
 - proprietary trade names, 357
 - unstructured abstracts, 24
- drug names that include a percentage, 573
- drugs
- chemical names of drugs, 569
 - code designations, 570
 - combination names, 572-573
 - development and approval process, 566-567
 - dosages, 797
 - hormone terminology, 574-576
 - INN (international nonproprietary name), 565-566
 - moieties, 570-572
 - multiple-drug regimens, 573-574
 - names that include a percentage, 573
 - nonproprietary (generic) names, 567-569
 - radiopharmaceuticals, 579
 - stereoisomers, 572
 - study design, 838-847
 - terminology, 565-572
 - trivial names, 570
- dual reporting conventional and SI units, 794-797
- due to vs owing to, caused by, because of, usage, 387
- Dukes cancer stage system, 549
- Duncan multiple range test, statistical definition, 869
- Dunnett test, statistical definition, 869
- Dunn test, statistical definition, 869
- duplicate publication
- acceptable forms, 149-150
 - definition, 148
 - editorial policies for, 151-152
 - notification, 152-153
 - peer review and confidentiality, 219
 - reference citation format, 52
 - release of scientific data, 292
- duplicate submission, notification, 152-153
- Durbin-Watson test, statistical definition, 869
- DVDs, reference citation format, 62
- EASE (European Association of Science Editors), 260, 466, 975
- echocardiographic terminology, 557-558
- ecological fallacy, statistical definition, 869
- editing, authorship criteria, 132
- edition number, book reference citation format, 55
- editorial, definition, 4
- editorial assessment
- acknowledgments, 35
 - conflict of interest, 169
 - criteria for evaluation, 303-304
 - online-only articles, 38
 - peer review, 301-302
 - policies and procedures for, 263-264
 - revisions, 307-308
- editorial assistance, acknowledgments, 141
- editorial audit, 272-274
- editorial board members
- confidentiality in selection, 224
 - conflict of interest, 175, 177
 - role of, 270-272
- editorial freedom and integrity, 243-257
- editorial policy, scientific misconduct, 159-161
- editorial priority for publication, 304
- editorial processing, 308-309

- editorial responsibilities
 - acceptance of manuscript, 267-268
 - advertising, 276
 - audit of editorial process, 272-274
 - board members selection, 271
 - manuscript editing, 929-933
 - news releases, 296-298
 - peer review, 264-265
 - quality review after publication, 274
 - reprints and e-prints, 287-288
 - revision, 266
 - roles, procedures, and policies, 260-270
- editorials
 - authorship criteria, 129
 - conflict of interest disclosure, 171
 - defamation, 238-239
 - unsigned, 132-133
- editors
 - board members selection, 271
 - confidentiality in selection, 224
 - conflict of interest, 175, 177
- effectiveness, randomized controlled trial, 838
- effectiveness, statistical definition, 869
- effective vs effectiveness, efficacious, efficacy, usage, 392
- effect of observation, statistical definition, 869
- effect size, meta-analysis, 848
- effect size, statistical definition, 869
- effect vs affect, usage, 384
- efficacy, randomized controlled trial, 838
- efficacy, statistical definition, 869
- efficacy vs effectiveness, usage, 392
- efficiency, statistical definition, 869
- effort-to-yield measures, statistical definition, 869
- eg vs ie, usage, 393
- eISSNs, 479
- ejection fraction, 558
- electrocardiography terminology, 553-556
- electrodes, 724-730
- electroencephalographic terminology, 724-727
- electroencephalography, Greek letters, 781
- electrogram terminology, 556
- electronic markup, 308-309, 932
- electronic media. *See also* online journals
 - controlled vocabulary indexing, 435-436
 - copyright, 188
 - discussants, permission to cite, 200-201
 - editorial priority for publication, 303
 - editorial processing, 308-309
 - Greek letters typesetting, 783
 - linking and framing, 200
 - manuscript preparation, 8, 309
 - proofreading, 309-310, 932-933
 - reference citation format, 62-64
 - audiotapes, 62
 - CD-ROMs, 67-68
 - databases, 70-71
 - e-mail, 71
 - government organization reports, 69-70
 - listserves, 71
 - online conference proceedings, 71
 - online journals, 64-67
 - online newspapers, 69
 - software, 70
 - videotapes, 62
 - Web sites, 68-69
 - reprints, 201
 - tables, 84, 96
 - titles and quotation marks, 361
- electronic systems, capitalization, 372
- electroretinogram terminology, 737
- elements, abbreviations, 526-527
- elements in isotope terminology, 707-708
- ellipses
 - change in capitalization, 365
 - definition, 364
 - incomplete expressions, 364
 - omissions from text, 364-366
 - quotations, 359
 - in tables, 88
 - tables, 366
- elliptical comparisons, 326
- e-mail
 - corresponding author, 29
 - figures, preparing to submit, 120
 - online advertising, 286
 - personal communications citations, 61
 - reference citation format, 71
- embargo, news, 292-294
- embedded indexing, definition, 436
- em dash, usage, 352-353
- en dash, use with hyphenated phrase, 352-353
- endemic vs epidemic, hyperendemic, pandemic, usage, 393
- endothelial factors terminology, 668-669
- energy vs calorie, kilocalorie, usage, 796-797
- ensure vs assure, insure, usage, 386-387
- Entrez Genome, 658
- enumerations, punctuation
 - colon, 343
 - parentheses, 356, 828
 - period, 334
 - semicolon, 342
- enumerations, rounding numbers, 826-827
- enzymes, 601-603, 720-722, 925
- epidemic vs endemic, hyperendemic, pandemic, usage, 393
- epigraphs, 24-25
- eponyms
 - capitalization, 376, 778
 - correct usage, 777-780
 - indexing, 434-435
 - nonpossessive form, 778
 - statistical terms, 852
- e-prints, 201, 203-206, 287
- equations, 354, 907-910, 912-913

- equipment
 capitalization, 376
 conflict of interest, 173
 terminology, 583-584
 trade names, 357
- equivalence trials, 839, 843-845
- erectile dysfunction vs impotence, usage, 393
- error, statistical definition, 869
- error bars, 115
- errors requiring correction, 180, 270, 310
- erythropoietin terminology, 578, 686
- Escherichia coli*, 749
- ester designations in drug names, 570-572
- estimate, statistical definition, 869
- etc, usage, 393
- euphemisms, 325
- European Association of Science Editors (EASE),
 260, 466, 975
- European Medical Writers Association
 (EMWA), 141, 975
- evaluate vs diagnose, examine, identify, usage, 391
- event, statistical definition, 869
- events, capitalization, 376
- evidence in structured abstracts for review, 23
- evoked potentials, 728-729
- examine vs evaluate, diagnose, identify,
 usage, 391
- exclamation point, 336, 355-356
- exclusion criteria, case-control study, 846-847
- exclusion criteria, statistical definition, 869-870
- expendable words, 406-407
- explanatory variable, statistical definition, 870
- exponents, 791, 909
- expressions of concern, scientific misconduct,
 161-166
- extrapolation, statistical definition, 870
- Fab (immunoglobulin fragment), 695-696
- fabrication of data, scientific misconduct, 156-157
- factor analysis, statistical definition, 870
- factorial, 336
- factors, clotting (coagulation), 670-673
- fair use exclusions in copyright, 197-200
- false negative, statistical definition, 870
- false-negative rate, statistical definition, 870
- false positive, statistical definition, 870
- false-positive rate, statistical definition, 870
- false singulars, pluralization, 369-370
- false singulars and plurals, 328
- falsification of data, scientific misconduct, 156-158
- Far Western blotting, 601
- fasted vs fasting, usage, 394
- Fc (immunoglobulin fragment), 695-696, 698
- F distribution, statistical definition, 870
- federal employees, 195-196
- Federal Trade Dilution Act, 213
- fences (mathematical composition), 908-909
- fever vs temperature, usage, 394
- fewer vs less, usage, 394
- fibrinolysis terminology, 675
- fiction, defamation, 239
- fictional characters, trademarks, 211
- fields (tables), 87-88
- FIGO cancer staging system, 549
- figures. *See also* legends and illustrations
 abbreviations, 119
 algorithms, 107, 110
 appendixes, 36
 arrows and indicators, 117-119
 axis labels, 114
 bar graphs, 101-104
 capitalization, 119, 378-379
 citation, 120
 clinical imaging, 112
 components, 113-114
 decision trees, 107, 109
 definition, 98
 diagrams, 106-110
 digital image manipulation, 158-159
 dot (point) graph, 105-106
 flowcharts, 106-107
 frequency polygons, 100, 102
 headings, 26
 histograms, 100, 102
 horizontal bar graphs, 103
 illustrations, 112
 individual-value graphs, 106
 legends, 114
 line graphs, 98-99
 logarithmic scales, 114
 manuscript preparation, 309
 maps, 111-112
 100% bar graphs, 104
 online-only articles, 36-38
 pedigrees, 110-111
 pedigree studies, 232
 permission to reproduce or adapt, 34-35,
 119-120
 photographs, 112, 121
 photomicrographs, 119
 pie charts, 105
 placement in text, 119
 preparation for submission, 120-121
 references, 42
 reproduction quality, 120
 scatterplots, 99-101
 statistical analysis, 117
 survival plots and survival curves, 99-100
 3-dimensional figures, 115
 titles, 115-116, 120
 uses, 81-82
- film, usage, 394
- financial disclosure
 acknowledgments, 30-31, 140-141, 142
 conflict of interest, 168-173
 unpublished material, 176

- Fisher exact test, statistical definition, 870
- fixed-effects model, meta-analysis, 848
- fixed-effects model, statistical definition, 870
- flowcharts, 106-107
- flow diagrams
- QUOROM, 847
 - study design, 839, 842
 - survey studies, 850
- FlyBase, 656
- FlyNome, 656
- follow vs follow up, observe, usage, 394-395
- fonts
- definition, 920
 - sans serif type, 920-922
 - serif type, 920-922
 - usage, 924-926
- Food and Drug Administration approval, 566-567
- footnotes
- abbreviations in tables, 96
 - affiliation, 17-19
 - bottom-of-page, 43
 - column headings, 87
 - figures and tables, 34-35
 - order of authorship, 134
 - parentheses in text, 357
 - running foot/head, 19
 - tables, 88, 90-95
 - title page of manuscript, 16-19
- formulas, 358, 910
- forward slash. *See* virgule (solidus)
- fractions, 793, 824, 908-909
- fragments in immunoglobulin terminology, 695-696, 698
- fraud. *See* scientific misconduct
- frequency polygons, 100, 102
- Friedman test, statistical definition, 870
- fruitfly gene terminology, 656-657
- F test (score), statistical definition, 870-871
- funding or grant support
- acknowledgments, 140-141, 145-146
 - authorship criteria, 128-129
 - conflict of interest, 173
 - online-only articles, 37
 - peer review, 307
 - scientific misconduct, 160
- funnel plot, statistical definition, 871
- fusion oncogenes, terminology, 635-636
- gaussian distribution. *See* normal distribution.
- gender/sex, inclusive language, 319, 412-413
- gender vs sex, usage, 395
- generic drug names, 567-568
- genes
- amino acids, 604-607
 - general terminology, 584-667
 - immunoglobulin terminology, 699-700
 - molecular cancer terminology, 551-552
 - molecular neuroscience terminology, 732-733
 - nomenclature system, 531-532
 - symbol conventions, 609-632
 - T-cell receptor gene terminology, 703-704
 - viral terminology, 761
- gene symbols, names in italics, 926
- genetic pedigree studies, 660-666
- genetic pedigree studies and patient anonymity, 121, 232
- genomic sequence information, 596-597
- genotypes, 540-541, 595, 629-631, 688-691
- genus and species names
- abbreviations, 743-744
 - article titles and subtitles, 11-12
 - capitalization, 374, 377
 - herbals and dietary supplements, 581-582
 - italics, 925
 - plant virus terminology, 759
 - pluralization, 746-747
 - reference citation format, 47
 - viral terminology, 756-758
- geographic names, capitalization, 374
- German Collection of Microorganisms and Cell Cultures, 748
- gerunds, 323-324
- ghost authors, authorship criteria, 131-132
- global vs international, usage, 395
- glycated hemoglobin vs glycosylated hemoglobin, usage, 395
- glycoprotein complexes terminology, 667, 669
- glycoproteins, 543, 619, 719
- Goldmann perimeter terminology, 737-738
- gold standard. *See* criterion standard
- goodness of fit, statistical definition, 871
- governmental agencies, capitalization, 377-378
- government bulletins, reference citation
- format, 46, 57-58
- government reports, reference citation
- format, 69-70
- GPA (obstetric terminology), 734-735
- Gram stain, 749-750
- Grand Rounds, 4
- granulocyte antigens, 544, 615-616
- graphs, 120, 198
- Greek letters
- alphabet, 782
 - capitalization, 371, 373, 781-782
 - chemokine terminology, 677-679
 - complement terminology, 681-682
 - cytokine terminology, 687
 - decimal forms of numbers, 830
 - erythropoietin terminology, 578
 - hemostasis, 671
 - HLA terminology, 689, 692
 - immunoglobulin chain terminology, 696-697
 - indexing, 427-428
 - inhibition of coagulation terminology, 674
 - interferon terminology, 576-577
 - interleukin terminology, 686-687

- Greek letters (*continued*)
 mathematical composition, 912
 molecular neuroscience terminology, 730-733
 molecular terms, 713-720
 nucleotide sequence variations, 596
 streptococci, nomenclature, 752
 table stubs, 87
 T-cell terminology, 702-703
 thrombolysis terminology, 672
 typesetting, 783
 viral terminology, 761
 vs word, 781
- Greek words
 letters vs words, 781
 plurals, 368
- group association, statistical definition, 871
- group authorship
 abbreviations, 472
 acknowledgments, 30, 141-142
 bibliographic databases, 136-138
 bylines, 15-16
 corresponding author, 137
 criteria, 135-137
 group names, 472
 journal articles, 137-138
 manuscript preparation, 10, 15
- group matching, statistical definition, 871
- guarantors
 access to data statement, 173
 author contributions, 29-30
 authorship criteria, 129
 group authorship, 135
- guest authors, authorship criteria, 131
- Haemophilus* nomenclature, 750
- haplotype in HLA terminology, 690-694
- haplotype in pedigree, 665
- Hartley test, statistical definition, 871
- Hawthorne effect, statistical definition, 871
- hazard function, statistical definition, 871
- hazard rate, statistical definition, 871
- hazard ratio, statistical definition, 871
- headings, 26, 924-925
- health care, usage, 395
- Health Insurance Portability and Accountability Act (HIPAA), 230
- heart disease classification terminology, 560-562
- heart sound terminology, 556
- heavy chain immunoglobulin terminology, 696-697
- helper T-cell terminology, 702-703
- hemophilia terminology, 672-673
- hemostasis, 618-620, 667-676
- hepatitis virus terminology, 760
- herbals and dietary supplements terminology, 580-582
- HER2/neu*, 634-635
- heterogeneity, meta-analysis, 848
- heterogeneity, statistical definition, 871
- HGNC (HUGO Gene Nomenclature Committee), 609
- HGVS (Human Genome Variation Society), nomenclature, 593-594
- HIPAA (Health Insurance Portability and Accountability Act), 230
- histocompatibility antigen terminology, 688-691
- histogram, statistical definition, 871
- histograms, 100, 102
- histologic grade terminology, 546
- histone terminology, 587-589
- historic vs historical, usage, 395
- HLA, general terminology, 531-532, 688-691
- Hoeffding independence test, statistical definition, 871
- holidays, capitalization, 377
- Hollander parallelism test, statistical definition, 872
- homogeneity, statistical definition, 872
- homonyms, definition, 324
- homoscedasticity, statistical definition, 872
- honorary authors, criteria, 132-133
- horizontal bar graphs, 103
- hormone terminology, 574-576, 614, 686
- Hosmer-Lemeshow goodness-of-fit test, statistical definition, 872
- Hotelling *T* statistic, statistical definition, 872
- HUGO Mutation Database Initiative, 593-594
- Human Cell Differentiation Molecules workshops, 679
- human chromosome terminology, 637-648
- human genes, 608-632, 650-652
- Human Genome Variation Society (HGVS), nomenclature, 593-594
- human subjects research, 226-228
- human viral terminology, 762-767
- hydrogen isotope terminology, 709
- hyperendemic vs pandemic, usage, 393
- hyperintense vs hypointense, usage, 396
- hyphen
 bacterial gene terminology, 658
 chemical compounds, 351
 clarity, 348-349
 complement terminology, 682
 definition, 344
 digit spans, 827-828
 disease names, 350-351
 DNA sequences, 592
 electrocardiography terminology, 554-555
 en dash in the same phrase, 352-353
 eponyms, 779
 geographic entities, 351
 HLA terminology, 690, 692
 molecular terms, 713-720
 mouse and rat gene nomenclature, 649-650
 nematode gene terminology, 657
 non-English expressions, 351
 numbers, 346-347

- obstetrics terminology, 735
- peptide sequence, 606
- prefixes, 347, 349-350
- ranges and dimensions, 349
- ratios, 345
- SI units, 792
- special combinations, 352
- suffixes, 350
- temporary compounds, 344-348
- vertebrae terminology, 723-724
 - when not to use, 350-352
- hypothalamic hormone terminology, 574-575
- hypothesis, 836, 846
- hypothesis, statistical definition, 872
- ic, -ical, usage, 396
- ICANN (Internet Corporation for Assigned Names and Numbers), 213-214
- ICTV (International Committee on Taxonomy of Viruses), 756
- identify vs examine, evaluate, diagnose, usage, 391
- idioms, 324
- ie vs eg, usage, 393
- illustrations. (*See also* figures)
 - abbreviations, 119
 - fair use exclusions in copyright, 198
 - permission of those acknowledged, 146
 - return of after rejection, 265
 - usage, 112-113
 - visual identifiers, 117-118
- IMGT/HLA Sequence Database, 688
- immunize vs inoculate, vaccinate, usage, 396
- immunoglobulins
 - fragment terminology, 695-696, 698
 - general terminology, 695-699
 - gene terminology, 699-700
 - structure, 695-696
- immunology, 620-624, 677-704
- impaired vs intoxicated, usage, 396
- imperative mood, 320
- implanted cardioverters/defibrillators, terminology, 561-562
- imply vs infer, usage, 397
- impotence vs erectile dysfunction, usage, 393
- imputation, statistical definition, 872
- IMRAD (Introduction, Methods, Results, and Discussion)
 - letters to the editor, 5
 - manuscript preparation, 26
 - original articles, 3
 - study design, 836-838
- inactive components in drug names, 570-572
- incidence, statistical definition, 872
- inclusion criteria, 836-837, 846-847
- inclusion criteria, statistical definition, 872
- inclusive language, 412-416
- incomparable words, 407
- incomplete expressions, punctuation with
 - ellipses, 364
- IND (investigational new drug), 566-567
- indefinite pronouns, 319
- independence, assumption of, statistical definition, 873
- independent variable, statistical definition, 873
- independent variables, 846-847
- indexes, as units of measure, 794
- indexes, to published material
 - copyright, 189
 - letters to the editor, 270
 - to published works, 311
- indexing. *See also* cross-references
 - abbreviations, 429-430, 501
 - abstracts, 435-436
 - alphabetizing, 425-429
 - capitalization, 429
 - chemical prefixes, 426
 - consistency, 428
 - controlled vocabulary, 435-436
 - corrections to published material, 311
 - embedded, 436
 - Greek letters, 427-428
 - inversions, 433
 - journals, 435-436
 - locators, 430-431
 - main headings, 429-431, 433-434
 - MeSH (Medical Subject Headings), 24, 435-436
 - nomenclature, 428, 430
 - numbers, 426-427
 - online journals, 14, 436
 - periodicals, 435-436
 - punctuation, 425-426, 431
 - software, 311
 - styles, 425, 431
 - subentry levels, 433-434
 - types of, 431
 - typography, 431
 - vocabulary control, 434-436
- indicative mood, 320
- indirect cause, statistical definition, 873
- individual-value graphs, 106
- infectious conditions, usage, 748
- inference, statistical definition, 873
- infer vs imply, usage, 397
- influenza virus terminology, 760-761
- informed consent
 - Belmont Report, 227-228
 - deidentification, 232
 - drug development, 566
 - genetic pedigree studies, 232
 - human subjects research, international organization guidelines, 228
 - institutional review board, 226-227
 - news stories, 232
 - online-only articles, 37
 - patient and subject anonymity, 230-231

- informed consent (*continued*)
 peer review and confidentiality, 219-220
 photographs, 121
- infrasubspecific bacterial names, 746
- Ingelfinger rule, 291
- inhibition of coagulation terminology, 674
- initialisms, 379-380, 442
- initials of a person, 456-457
- initials of a person, footnotes, 17
- injecting vs injection, intravenous drug
 user, usage, 397
- injury vs accident, usage, 382-383
- INN (international nonproprietary name), 565-567
- inoculate vs immunize, vaccinate, usage, 396
- in order to, usage, 397
- in press reference citation format, 60
- in situ hybridization, abbreviations and
 symbols, 646-647
- institutes, 458-472
- institutional owners, copyright, 196
- institutional review board (IRB), 226-229, 232
- institution names, capitalization, 377-378
- instructions for authors
 authorship criteria, 130
 conflict of interest, 169-170
 journals, 273
 manuscript preparation, 7-8
 peer review, 307
 reprints, 310
- instrument error, statistical definition, 873
- insulin terminology, 575-576
- insure vs ensure, assure, usage, 386-387
- integrins, 619, 669
- intellectual property, 179-184, 209-210, 219
- intention/intent-to-treat analysis, 839, 843
- intention/intent-to-treat analysis, statistical
 definition, 873
- interaction. *See* interactive effect.
- interaction term, statistical definition, 874
- interactive effect, statistical definition, 874
- intercapped compounds, capitalization, 380
- interference, scientific misconduct, 156
- interferons, general terminology, 576-577, 687
- interim analysis, randomized controlled
 trial, 839, 841
- interim analysis, statistical definition, 874
- interleukin terminology, 577, 684-687
- International Committee of Medical Journal
 Editors (ICMJE)
 access to data statement, 142, 144-145, 183
 advertising in publications, 310
 advertising policies, 276-277
 advertising-to-editorial page ratio, 281
 authorship criteria, 128-130
 conflict of interest, 169
 corrections publication, 270
 correspondence column, 5
 duplicate publication, 148-149
- editorial freedom, policies for, 253-257
- expressions of concern, 161
- informed consent, 227
- news media relations, 292-294
- patient and subject anonymity, 230
- peer review and confidentiality, 218-219
- permission of those acknowledged, 146
- references, 40
- scientific misconduct and retraction, 160-161
- sponsored supplements, 283-284
- International Committee on
 Bionomenclature, 741
- International Committee on Coagulation and
 Thrombosis, 673
- International Committee on Standardized Genetic
 Nomenclature for Mice, 649, 652
- International Committee on Taxonomy of Viruses
 (ICTV), 756
- International Congresses on Peer Review in
 Biomedical Medicine, 304
- international copyright, 207-208
- International Digital Enterprise Alliance, 121
- international editions, 203-206
- international editions, standards for licensing,
 201, 206-207
- International Federation of Clinical
 Neurophysiology, 724
- International Registration of Trademarks, 213
- International Society of Blood Transfusion (ISBT)
 terminology, nomenclature, 542-544
- International Standard Serial Numbers (pISSNs
 and eISSNs), 479
- International System for Human Cytogenetic
 Nomenclature (ISCN), 637-648
- International System for Human Gene
 Nomenclature (ISGN), 608
- International System of Units (SI units),
 abbreviations, 519-525
- international trademarks, 213
- international vs global, usage, 395
- Internet. *See also* online journals; Web sites
 copyright, 188
 manuscript submission, 304-306
 plagiarism, 158
 reference citation format, 63-64
- Internet Corporation for Assigned Names and
 Numbers (ICANN), 213-214
- interobserver bias, statistical definition, 874
- interobserver reliability/variation, statistical
 definition, 874
- interquartile range, statistical definition,
 874-875
- intrarater reliability, statistical definition, 875
- interval estimate. *See* confidence interval
- intoxicated vs impaired, usage, 396
- intraobserver reliability/variation, statistical
 definition, 875
- intrarater reliability, statistical definition, 875

- intravenous vs injection, injecting drug user, usage, 397
- introduction, manuscript preparation, 836
- Introduction, Methods, Results, and Discussion (IMRAD). *See* IMRAD (Introduction, Methods, Results, and Discussion)
- invasion of privacy, definition, 226
- inversions, indexing, 433
- invertebrate gene terminology, 656-657
- investigational new drugs (IND), 566-567
- ionizing radiation, units of measure, 816-817
- IRB (institutional review board), 226-229, 232
- irregardless vs regardless, usage, 397
- irritate vs aggravate, usage, 385
- ISBT, 542-544
- ISCN (International System for Human Cytogenetic Nomenclature), 637
- ISGN (International System for Human Gene Nomenclature), 608
- ISO (International Organization for Standardization), 456, 479
- isolate terminology, 760
- isotopes
 - abbreviations, 527-528
 - radiopharmaceuticals, 579
 - terminology, 707-710
- issue numbers, references, 48
- italics
 - abbreviations of gravity, 926
 - airplane names, 925
 - allele terminology, 628-629
 - books, reference citation format, 46
 - book titles, 925
 - cardiology terminology, 557
 - chemical prefixes, 926
 - element symbols in chemical names, 714
 - e-mail addresses, 29
 - emphasis, 926
 - enzyme names, 602, 925
 - epigraphs, 24-25
 - fonts, 925
 - gene symbols, 610, 613-615, 926
 - genus and species names, 925
 - HLA terminology, 691
 - human oncogenes, 633
 - indexing, 431
 - journal names, 48
 - journal titles, 925
 - legal case names, 926
 - legal material citation format, 73
 - lowercase letters, 925
 - mathematical composition, 912, 926
 - mouse gene terminology, 650-652
 - musical compositions, 925
 - non-English words, 421, 925
 - nonhuman genetic terms, 649
 - nucleotide sequence variations, 595
 - paintings, 925
 - plane (airplane) names, 925
 - plays, 925
 - pluralization, 369
 - ship names, 925
 - space vehicle names, 925
 - statistical terms, 926
 - subgenus in bacterial nomenclature, 744
 - symposia proceedings, 925
 - taxonomic rank, 742-743
 - viral terminology, 757-758
 - word emphasis, 360
- ITT (intention/intent-to-treat) analysis, 839, 843, 873
- IUPAC-IUB Joint Commission on Biochemical Nomenclature, 721
- jackknife analysis, cost-benefit/cost-effective analysis, 849
- jackknife dispersion test, statistical definition, 875
- jargon, 325, 408-410
- joining (J) gene segment, 699-700, 703-704
- joint possession, apostrophe, 362-363
- joint works, copyright, 195
- journal articles
 - capitalization, 372-373
 - duplicate publication, 151-152
 - group authorship, 137-138
 - order of elements, 146
 - public domain information, 293-294
 - reference citation format, 46, 472-500
- journalistic privilege, confidentiality, 223-224
- journal names
 - abbreviations, 48, 472-479
 - capitalization, 372
 - individual word abbreviations, 479-500
 - International Standard Serial Numbers (pISSNs and eISSNs), 479
 - PubMed, 473-500
 - references, 48
- journal oversight committee, 248, 249, 251-253
- journals. *See also* online journals
 - authorship criteria, 128-130
 - conflict of interest disclosure, 169-173
 - data sharing, 181-183
 - defense against libel, 240-241
 - digital image manipulation, 158-159
 - digital image submission guidelines, 199-200
 - duplicate submission policy, 152
 - editorial freedom and integrity, 243-246
 - editorial responsibilities, 260-270
 - indexing, 435-436
 - indexing types, 431
 - institutional owners of copyrights, 196
 - IRB approval, 227
 - journalistic privilege, 223-224
 - open-access movement, 184-185
 - patient and subject anonymity, 230-231

- journals (*continued*)
- peer review and confidentiality, 219-220
 - photographs and patient anonymity, 232
 - placement of corrections, 270
 - record retention policies, 183-184
 - references, 42, 47-48
 - retractions, 161-165
 - review articles, 5
 - scientific misconduct, 159-161
 - sections of articles, capitalization, 379
- jugular venous pulse terminology, 557
- Kaplan-Meier method, statistical definition, 875
- κ (kappa) light chain, 697
- κ (kappa) statistic, statistical definition, 875
- karyotype terminology, 639-640
- Kendall τ (tau) rank correlation, statistical definition, 875
- kerning, definition, 922
- keywords, 24
- keywords, embedded indexing, 436
- kilocalorie, calorie vs energy, usage, 796-797
- Kolmogorov-Smirnov test, statistical definition, 875
- Kruskal-Wallis test, statistical definition, 875
- kurtosis, statistical definition, 875
- labels in figures, 115, 119
- laboratory codes, 655
- laboratory media terminology, 750
- laboratory values, reference ranges and conversion factors, 797-816
- laboratory values, terminology, jargon, 411-412
- Lactobacillus* GG nomenclature, 750
- λ (lambda) light chain, 697
- lasers in ophthalmology terminology, 738
- Latin square, statistical definition, 876
- Latin words, 368, 757
- law journals, reference citation format, 78
- layout, 923-924
- leader gene segment, 700
- leading, definition, 923
- lead terms, 553, 725-729
- lead-time bias, statistical definition, 876
- least significant difference test, statistical definition, 876
- least squares method, statistical definition, 876
- left-censored data. *See* censored data
- legal case names in italics, 926
- legal material, reference citation format, 72-75
- legal proceedings, 219, 223-224, 230
- legends. *See also* figures
 - box and whisker plot, 106
 - composite figures, 116-117
 - digital image manipulation, 158-159
 - error bars, 115
 - figures, 115-116
 - permission of those acknowledged, 146
 - photomicrographs, 117
 - punctuation with parentheses, 356
 - shading characteristics in figures, 114
 - titles, 120
- legislation, 75-78, 376
- length, dual reporting conventional and SI units, 794
- length-time bias, statistical definition, 876
- less vs fewer, usage, 394
- letter of retraction, scientific misconduct, 160
- letters, pluralization, 369
- letterspacing, 922
- letters to the editor
 - advertising comment, 277
 - authorship criteria, 130
 - conflict of interest disclosure, 171
 - correspondence, 5
 - defamation, 238-239
 - policies and procedures for, 268-270
 - postpublication review, 308
 - usage, 4
- L forms, 750
- liable vs apt, likely, usage, 385-386
- libel
 - defense against, 240-241
 - definition, 235-237
 - legal resources, 241-242
 - letters to the editor, 269
 - opinion vs fact, 238
- licensing international editions, 201, 206-207
- life table, statistical definition, 876-877
- ligature, definition, 921
- light chain immunoglobulin terminology, 697
- likelihood ratio, diagnostic tests, 850
- likelihood ratio, statistical definition, 877
- likely vs liable, apt, usage, 385-386
- Likert scale, statistical definition, 877
- Lilliefors test, statistical definition, 877
- linear regression, statistical definition, 878
- line graphs, 98-99
- line spacing, 923
- linking and framing, 200, 286
- lipoproteins, 562-563
- List of Prokaryotic Names With Standing in Nomenclature, 748
- location, statistical definition, 878
- locators, indexing, 430-431
- logarithmic expressions, 909-910
- logistic regression, statistical definition, 878
- log-linear model, statistical definition, 878
- logos, online advertising, 286-287
- logos and trademarks, 211
- log-rank test, statistical definition, 879
- lowercase letters
 - clotting factor terminology, 671
 - DNA sequences, 592
 - enzyme names, 602

- italics, 925
- superscript nucleotides, 590
- usage, 924
- lucency vs opacity, usage, 398
- macrolide-resistance nomenclature, 750
- Madrid System, trademarks, 213
- magnification of photomicrographs, 117
- main effect, statistical definition, 879
- main headings, indexing, 429-431, 433-434
- major histocompatibility complex (MHC; Mhc), 682-694
- makeup of a journal issue, 310
- malignancy, malignant neoplasm, malignant tumor, usage, 398
- management vs treatment, usage, 398
- manic, usage, 389
- Mann-Whitney test, statistical definition, 879
- MANOVA (multivariate analysis of variance), statistical definition, 879
- Mantel-Haenszel test, statistical definition, 879
- manufacturers of equipment, 583-584
- manuscripts
 - acceptance, 267-268
 - acknowledgment of receipt, 262-263
 - breaches of confidentiality, 158
 - conflict of interest, 169-170
 - duplicate submission, 152-153
 - duplicate submissions on same data, 183
 - electronic media, 309
 - Internet submission, 304-306
 - plagiarism, 158
 - preparation
 - abstracts, 20-24, 836
 - acknowledgments, 27-36
 - authorship, 14-16, 128-130
 - Comment, 26, 838
 - Discussion, 838
 - editing, 309
 - figures, 309
 - footnotes, 16-19
 - foreign names, 13-14
 - introduction, 25, 836
 - makeup of a journal issue, 310
 - Methods, 25, 836-837
 - online journals, 8, 36-38
 - proofreading, 309-310
 - Results, 25-26, 838
 - tables, 309
 - titles and subtitles, 8-13
 - rejection of, 166, 220, 223, 261, 265-266, 308
 - scientific misconduct, 156, 166
 - scientific presentations, 293
 - statistical analysis, 142, 144-145
- manuscript vs article, paper, typescript, usage, 386
- maps, 111-112, 114
- marker chromosomes, 647-648
- marking copy, 929-932
- Markov process, statistical definition, 879
- masked assessment, statistical definition, 879
- masking vs blinding, usage, 388
- mass, dual reporting conventional and SI units, 794
- matching, statistical definition, 879
- mathematical composition
 - brackets in formulas, 358
 - copy marking, 907
 - displayed vs run-in formulas, 908
 - exponents, 909
 - italics, 926
 - logarithmic expressions, 909-910
 - multiplication, 910-911
 - parentheses, 358
 - spacing with symbols, 913
 - stacked vs unstacked fractions, 908
 - symbols, 911-912
- matrix vs table, 84-85
- may vs can, usage, 388
- McNemar test, statistical definition, 879
- mean, statistical definition, 879
- measurement error, statistical definition, 879-880
- mechanical ventilation terminology, 774
- median, statistical definition, 880
- median test, statistical definition, 880
- media relations, 290-298
- Medical Subject Headings (MeSH), 435-436
- MEDLINE
 - anonymous authorship, 133
 - controlled vocabulary indexing, 24, 436
 - corrections to published material, 310
 - journal abbreviations, 19, 479-500
 - number of cited authors, 134
 - references for authors' names, 44-45
- MEDWATCH, 566
- MeSH (Medical Subject Headings), 24, 435-436
- meta-analysis
 - duplicate publication, 148
 - figures, 107
 - review articles, 4
 - structured abstract format, 22-23
 - study design, 847-848
- meta-analysis, statistical definition, 880
- metastable isotopes terminology, 710
- methods
 - figures and statistical analysis, 117
 - IRB approval, 227-228
 - manuscript preparation, 836-837
 - original article, 25
 - patient and subject anonymity, 230
 - race/ethnicity classification, 415
 - sponsorship, acknowledgments, 145-146, 173
- metric conversions, 795
- MHC (major histocompatibility complex), 688-693

- Mhc (major histocompatibility complex, animals), 694
- microorganisms, 368-369, 657
- military services and ranks, abbreviations, 446-448
- militate vs mitigate, usage, 398
- misappropriation of data, scientific misconduct, 156, 158
- misplaced modifiers, 322
- misrepresentation, scientific misconduct, 156-157
- missing data, statistical definition, 880
- mitigate vs militate, usage, 398
- mixed fractions, 793, 822
- mode, statistical definition, 880
- modifiers (noun strings)
- definition, 316, 322
 - hyphenation, 350-351
 - misplaced modifiers, 322
- modifying enzyme terminology, 603
- moieties, 590-591, 682
- moiety designations of drugs, 570-572
- molar concentrations, units of measure, 795
- molecular cancer terminology, 551-552
- molecular formulas in immunoglobulin terminology, 698
- molecular medicine, terminology, 624-626, 710-720
- molecular neuroscience terminology, 730-733
- money (currency), 363, 817-818, 823
- monoclonal antibodies, 578-579, 670
- monoclonal antibody terminology, 578-579
- monographs, reference citation format, 53, 58, 68
- Monte Carlo simulation, statistical definition, 880
- monuments, capitalization, 372
- mood of verbs, 320
- MOOSE (Meta-analysis of Observational Studies in Epidemiology), 107, 847
- moral rights of artists and writers and copyright, 208
- mortality rate, statistical definition, 880
- Moses ranklike dispersion test, statistical definition, 880
- mouse, strain terminology, 655-656
- mouse chromosome terminology, 652-655
- mouse gene terminology, 531, 649-655, 769
- Mouse Genome Database, 650
- Mouse Genome Informatics, 655
- movies, capitalization, 372
- multiple analyses problem, statistical definition, 880
- multiple comparisons procedures, statistical definition, 880-881
- multiple-drug regimens, 573-574
- multiple endocrine neoplasia terminology, 551
- multiple regression, statistical definition, 881
- multiplication
- mathematical composition, 910-911
 - punctuation, 334
 - SI units, 790-791, 794
- multivariate analysis, statistical definition, 881
- murmur terminology, 556-557
- musical compositions, 372, 925
- mutations. *See* sequence variations
- Mycobacterium avium-intracellulare*
- nomenclature, 750
- names of persons
- abbreviations, 456-458
 - foreign, 13-14
 - initials, 456-457
 - in references, 13-14, 45
 - prefixes and particles, 45-46
- naming drugs, 567-568
- National Center for Biotechnology Information, 658
- National Center for Biotechnology Information Entrez Taxonomy, 741
- National Institutes of Health (NIH), 155, 180, 226-227
- National Library of Medicine
- corrections (errata), 270
 - duplicate submission, 152
 - electronic references, 63
 - expressions of concern, 161-165
 - journal names, 472
 - MEDLINE abbreviations, 479
 - number of authors, 134
 - references, 40
 - retractions, 161-162
- National Science and Technology Council, scientific misconduct, 156-157
- natural experiment, statistical definition, 881-882
- naturalistic sample, statistical definition, 882
- necessary cause, statistical definition, 882
- negative predictive value, diagnostic tests, 850
- negative predictive value, statistical definition, 882
- negative vs positive, normal, abnormal, usage, 381-382
- Neisseria meningitidis* nomenclature, 751
- nematode, gene terminology, 657
- nerve terminology, 722-733
- nested case-control study, statistical definition, 882
- nested case-control study, study design, 847
- neurology, gene terminology, 626-628
- new drug applications, 565
- Newman-Keuls test, statistical definition, 882
- news embargo, 292-294
- news media, 290-291, 294-296
- newspaper articles, reference citation format, 57
- news releases, 61, 296-298
- news releases, reference citation format, 72

- news reporting, defamation, 239
- news stories, photographs and patient
anonymity, 232
- NIH (National Institutes of Health), 155,
180, 226-227
- No. (number), abbreviated, 829
- n-of-1 trial, statistical definition, 882
- nomenclature
- biological organisms, 740-753
 - complement terminology, 680-681
 - definition, 530-532
 - drug names, titles and subtitles, 11
 - enzymes, 720-722
 - FlyBase, 656
 - HLA system, 688-691
 - hormone terminology, 574-576
 - indexing, 428, 430
 - interleukin, 686-687
 - mouse and rat gene, 649-655
 - pulmonary and respiratory terminology,
771-774
 - viral terminology, 756-761
- nominal variable, statistical definition, 882
- nomogram, statistical definition, 882
- nonconcurrent cohort study, statistical
definition, 882
- non-English words
- capitalization, 373
 - italics, 925
 - and phrases, 421-423
 - quotation marks, 361
 - reference citation format, 46-47
- nonhuman genetic terms, 649-659
- nonhuman histocompatibility terminology, 694
- noninferiority trials, 839, 843-845
- nonnormal distribution, statistical definition,
882-883
- nonparametric statistics, statistical definition, 883
- nonphysician provider, usage, 401
- nonproprietary names, 567-568, 583-584
- nonrestrictive clauses, punctuation, 318-319
- nontabular material, 84, 121-123
- normal distribution, statistical definition, 883
- normal range, statistical definition, 883
- normal vs abnormal, negative, positive,
usage, 381-382
- Northern blotting, 601
- notices
- copyright registration, 196-197
 - corrections (errata), 270
 - duplicate publication, 52, 152-153
 - expressions of concern, 161-165
 - retractions, 52
- nouns
- collective, 329
 - collective, pluralization, 367-368
 - definition, 315
 - gerunds, 323
 - hyphenation, 345
 - modifiers (noun strings), 316
 - modifying gerunds, 316
 - predicate, 330
 - subject-complement agreement, 316-317
 - subject-verb agreement, 327-328
- nucleic acid, general terminology, 584-607
- nucleoside and nucleotide terminology, 585-593,
599-600
- nucleotide databases, 597
- nucleotides, sequence variations, 593-597
- null hypothesis, randomized controlled trial, 839
- null hypothesis, statistical definition, 883
- number, abbreviated as No., 829
- numbering and citation of references, 42-44
- number needed to harm, statistical definition, 883
- number needed to treat (NNT), statistical
definition, 883
- numbers
- article titles and subtitles, 11
 - capitalization, 371, 373, 376
 - chromosome terminology, 654
 - decimal forms of, 830
 - digit spans and hyphens, 827-828
 - DNA sequences, 591-592
 - electrodes, 725
 - forms of expression, 821-822
 - 4 digits or more, 793-794, 822
 - hyphenation, 346-347
 - indexing, 426-427
 - nucleotide sequence variations, 593, 596
 - oncogene terminology, 635
 - ordinal, 825-826
 - percentages, 830-832
 - pluralization, 369
 - punctuation with comma, 340-341
 - punctuation with parentheses, 356
 - reference citation format, 48, 56
 - rounding, 851-852
 - in tables, 82, 84, 87-88, 96
 - used as pronouns, 824-825
 - use of colon, 343
 - words in large numbers, 826
- nurse vs breastfeed, usage, 388
- obituaries, 5
- objective, 22
- observational studies, study design, 843-846
- observe vs follow, follow up, usage, 394-395
- obstetrics terminology, 734-736
- odds ratio (OR), statistical definition, 883-884
- ology, usage, 399
- OMIA (Online Mendelian Inheritance in
Animals), 657
- OMIM (Online Mendelian Inheritance in Man),
610, 631
- omission of data, scientific misconduct, 157
- oncogenes, terminology, 616-617, 632-636

- oncprotein terminology, 635-636
- 1-tailed test, statistical definition, 884
- 100% bar graphs, 104
- online books, references, 42
- online conference proceedings/presentations,
 - reference citation format, 71-72
- online journals
 - acceptance date, 27-28
 - acknowledgments, 34-35
 - addenda, 27
 - advertising and sponsorship, 285-287
 - advertising content, 277-278
 - advertising-to-editorial page ratio, 281
 - appendixes, 36
 - articles (supplementary material), 36-38
 - conflict of interest disclosure, 170
 - corrections publication, 270
 - figures, permission to reproduce, 119-120
 - group authorship, 137, 141-142
 - headings format, 26
 - indexing, 14, 436
 - letters to the editor, 269-270
 - libelous material, 241
 - manuscript acknowledgment, 263
 - number of cited authors, 134
 - open-access movement, 184-185
 - order of elements, 146
 - patient and subject anonymity, 121
 - peer review, 219-220, 304
 - peer reviewers, 174
 - postpublication review, 308
 - publication of tables, 84
 - record retention policies, 184
 - reference citation format, 64-67
 - references, 42
 - release of urgent public need information,
 - 293
 - retractions, 161-162
 - scientific presentations, 293
 - search engines, 301
 - submission requirements, 8
 - symbols in mathematical composition, 912
 - tables, 96
 - trademark protection, 213-214
 - typography, 918
- Online Mendelian Inheritance in Animals (OMIA), 657
- Online Mendelian Inheritance in Man (OMIM), 610
- online newspapers, reference citation format, 69
- opacity vs lucency, usage, 398
- open-access movement, 184-185, 193, 264-265
- operation vs surgical procedure, usage, 399
- ophthalmology terminology, 736-739
- opinion vs fact, libel, 238
- oral communications
 - permission of those acknowledged, 146
 - permission to cite, 61, 199
 - reference citation format, 61
 - reference list, 41
- order of elements, acknowledgments,
 - 143-144, 146
- ordinal data, statistical definition, 884
- ordinal numbers, use of words, 825-826
- ordinate, statistical definition, 884
- organisms
 - capitalization, 377, 742-743
 - indexing, 428, 430
 - names in italics, 925
 - pluralization, 368-369
 - reference citation format, 47
 - terminology, 740-753
 - viruses, 756-767
- organization names
 - abbreviations, 454-455, 458-472
 - capitalization, 377-378
 - punctuation with comma, 337
- organization reports, reference citation
 - format, 69-70
- original articles
 - definition, 3
 - editorial assessment, 303
 - manuscript preparation, 25-26
 - online-only articles, 37
- orphan drugs, 568
- outcome, statistical definition, 884
- outliers (outlying values), statistical
 - definition, 884
- overmatching, case-control study, 846
- overmatching, statistical definition, 884
- oversampling, statistical definition, 885
- over vs under, usage, 399
- owing to vs due to, caused by, because of,
 - usage, 387
- ownership and control of data, 179-184
- pacemaker code terminology, 559-561
- package inserts, reference citation format, 59
- page makeup and composition, 309
- page numbers, 48, 56, 430-431
- paintings, 372, 925
- paired samples, statistical definition, 885
- paired *t* test, statistical definition, 885
- pamphlets, reference citation format, 46
- pandemic vs epidemic, endemic, hyperendemic,
 - usage, 393
- paper vs manuscript, article, typescript,
 - usage, 386
- paragraphs, definition, 331
- parallel construction
 - correlative conjunctions, 325-326
 - elliptical comparisons, 326
 - lists, 327
 - series or comparisons, 326-327
- parallel-design double-blind trials, study
 - design, 841-842

- parallel publication, 149
- parameter, statistical definition, 885
- parametric statistics, statistical definition, 885
- parentheses
- abbreviations, 357
 - biological nomenclature, 740
 - with brackets, 358
 - chromosome terminology, 646
 - clotting factor terminology, 670
 - digit spans and hyphens, 828
 - DNA sequences, 593
 - enumerations, 356, 828-829
 - exclamation point, 355-356
 - explanatory footnotes, 357
 - legal material citations, 73
 - legends, 356
 - long formulas, 910
 - mathematical composition, 908-909
 - nematode gene terminology, 657
 - numbers, 356
 - organisms terminology, 744-745
 - parenthetical expressions, 357
 - parenthetical plurals, 357
 - period, 355-356
 - question mark, 355-356
 - references in text, 41-42, 356
 - SI units, 792
 - supplementary expressions, 355
 - trade names, 357
- parenthetical expressions, punctuation, 338-339
- parenthetical plurals, subject-verb agreement, 328, 357
- participants, 21, 388-389
- participle, 323
- past tense, 321
- patents
- definition, 179, 209-210
 - liability concerns, 241-242
 - reference citation format, 59
- pathogens, 428, 747-748
- patient and subject anonymity, 121, 219-220, 226
- patient vs case, subject, consumer, client, usage, 388-389
- Pearson product moment correlation, statistical definition, 885
- pedigrees
- format recommendations, 660-666
 - patient and subject anonymity, 121
 - studies, patient anonymity, 232
 - visual illustrations, 110-111
- Pedigree Standardization Task Force of the National Society of Genetic Counselors, 660
- peer review
- acknowledgments, 222
 - addenda, 27
 - appendixes, 36
 - blinded, 220-221, 306-307
 - breaches of confidentiality, 158
 - confidentiality, 218-223, 261-262, 306-307
 - conflict of interest, 169-170
 - definition, 304
 - duplicate submissions on same data, 183
 - editorial assessment, 301-303
 - editorial responsibilities, 264-265
 - letters to the editor, 269
 - online journals, 304
 - open-access publishing, 184-185
 - outcome, 307
 - postpublication review, 308
 - reviewer selection, 306
 - signed, 221-222
 - statistical review, 306
 - submission requirements, 8
 - unsigned editorials, 133
- peer reviewers
- access to data statement, 183
 - confidentiality, 221
 - conflict of interest, 174-175, 177
 - fair use exclusions in copyright, 198-199
- PEN (pharmacy equivalent name), 573
- peptide sequence, amino acid terminology, 605-606
- percentages, 830-832
- percentile. *See* quantile
- period
- abbreviations, 456
 - chromosome terminology, 655
 - definition, 333
 - ellipses and omission of text, 365
 - e-mail addresses, 29
 - enumerations, 828-829
 - placement, 334-335
 - punctuation with parentheses, 355-356
 - references, 41
- periodicals, indexing, 435-436
- permissions
- e-prints, 203-206
 - figure and table reproduction, 95, 119-120
 - identifiable subjects, 230-231
 - oral communications, 199
 - photographs, 121
 - reprints, 203-206
 - reproduction or adaptation, 202
 - transcripts of discussions, symposia, and conferences, 200-201
 - written communications, 199
- personal communications
- acknowledgments, 146
 - permission to cite, 61
 - reference citation format, 61
 - reference list, 41
- personal pronouns, 317, 413-414
- pH, units of measure, 796
- phages, 601, 603, 761
- pharmacy equivalent name (PEN), 573

- phenotypes, blood group terminology, 539-540
- phenotypes, HLA haplotypes, 690
- phenotypes, human genes, 629-631
- phenotypes, macrolide resistance, 750
- phenotypes, nonhuman genetic terms, 653, 656, 658
- Philadelphia chromosome, 647-648
- phonetics, punctuation with virgule, 354
- phosphate nucleotide terminology, 599-600
- photographs
 - electronic submission, 120
 - fair use exclusions in copyright, 198
 - informed consent, 121
 - journal submission, 5
 - patient confidentiality, 226, 230-232
 - permission of those acknowledged, 146
 - return of after rejection, 265
 - titles, 116
 - unethical alteration of, 112
 - visual indicators, 117-118, 121
- photomicrographs, 117, 120, 356
- PhyloCode, 741
- physician vs doctor, usage, 392
- pie charts, 105
- pISSNs, 479
- pituitary hormone terminology, 575
- placebo, statistical definition, 885
- placebo effect, statistical definition, 885
- place on vs put on, usage, 400
- plagiarism, 156, 158
- plant virus terminology, 759
- platelet antigens, gene terminology, 615-616
- platelet factor terminology, 667-668
- platelet-specific antigens, terminology, 543-544
- plays, 372, 925
- pluralization
 - abbreviations, 369
 - apostrophe, 363
 - cardiology terminology, 556
 - collective nouns, 367-368
 - false singulars, 369-370
 - formation, 367
 - genus and species names, 746-747
 - Greek words, 368
 - Latin words, 368
 - letters, 369
 - numbers, 369
 - organisms, 368-369, 746-747
 - SI units, 791
 - symbols, 369
 - when not to use, 369
 - years, 369
- plus and minus signs, 645, 714
 - alleles, 593, 653, 658
 - blood group phenotype, 539-540, 543
 - CD markers, 702
 - charge, 714
 - chromosomes, 645
 - electrocardiographic axis, 556
 - variable segments (immunoglobulin genes), 699, 703
- Pneumocystis jiroveci*, 747-748
- poetry
 - article types, 5
 - punctuation with ellipses, 364-365
 - punctuation with virgule, 354-355
 - quotation marks, 361
 - titles in italics, 925
- point estimate, statistical definition, 885
- point size, 921-922
- Poisson distribution, statistical definition, 885
- polymorphism. *See* allelic variant
- polysomnography terminology, 729-730
- population, statistical definition, 885
- population attributable risk percentage, statistical definition, 886
- positive predictive value, diagnostic tests, 850
- positive predictive value, statistical definition, 886
- positive vs negative, normal, abnormal, usage, 381-382
- possessive pronouns, 317, 362, 413-414
- possessives with eponyms, 777-780
- posterior probability, statistical definition, 886
- post hoc analyses, randomized controlled trial, 839
- post hoc analysis, statistical definition, 886
- postmarketing surveillance of drugs, 566-567
- posttest probability, statistical definition, 886
- power, statistical definition, 886
- practice parameters, 4
- practitioner vs clinician, provider, usage, 390
- precision, statistical definition, 887
- preferred citation format, 36
- prefixes
 - capitalization, 373
 - hyphenation, 347, 349-350
 - immunoglobulin terminology, 697
 - molecular terms, 713-720
 - oncogene terminology, 635
 - restriction enzyme terminology, 603
 - SI units, 789
- prefixes and particles, references, 45-46
- preprints, definition, 288
- presentations at meetings
 - acknowledgments, 34
 - reference citation format, 59-60
- present perfect tense, 321
- present tense, 320-321
- press conferences, prepublication, 292
- press releases
 - author guidelines, 296
 - duplicate publication, 149
 - embargoes, 294
 - reference citation format, 61-62
 - release of scientific data, 290

- pressure, units of measure, 796
- pretest probability, statistical definition, 887
- prevalence, statistical definition, 887
- primary hemostasis terminology, 667-668
- prime sign, 363
- principal components analysis, statistical definition, 887
- print references, 42
- prion nomenclature, 768-769
- prior probability, statistical definition, 887
- privacy rights, 229-231, 285-287
- probability, statistical definition, 887
- product-limit method. *See* Kaplan-Meier method
- professional societies, abbreviations, 458-472
- pronouns
 - definition, 317
 - inclusive language, 413-414
 - indefinite, 319
 - modifying gerunds, 316
 - numerals, 824-825
 - personal pronouns, 317
 - possessive pronouns, 362
 - pronoun-pronoun agreement, 319
 - pronoun-verb agreement, 319
 - relative pronouns, 317-318
- proofreading, 309-310, 929-932
- propensity analysis, statistical definition, 887
- proper nouns, 374, 376
- proportionate mortality ratio, statistical definition, 887
- proportions and percentages, forms of expression, 831-832
- proprietary names
 - capitalization, 376-377
 - drugs, 568-569
 - equipment, 583-584
 - herbals and dietary supplements, 582
 - radiopharmaceuticals, 709
- prospective study, statistical definition, 887
- prostitute vs sex worker, usage, 400
- protein databases, 597
- proteins, molecular terms, 552, 715-720
- proteins, streptococci, 752
- protein S and S protein, 674, 683
- protein terminology, 714-715 (*See also* amino acids, glycoproteins, lipoproteins, oncoprotein terminology)
- provider vs clinician, practitioner, usage, 390, 400-401
- provisional acceptance of a manuscript, 268
- pseudonymous authorship, 132-133, 189
- pseudonyms, trademarks, 211
- pseudorandomization, statistical definition, 888
- psychiatric terminology, 770-771
- psychotic, usage, 389
- publication bias
 - definition, 841
 - meta-analysis, 848
 - "negative" studies, 304
 - peer review, 304
- publication bias, statistical definition, 888
- publications, capitalization, 372
- public domain, 189-191, 199
- publisher, book reference citation format, 55-56
- PubMed, 184, 473-500
- PubMed identification number (PMID), reference citation format, 63-64
- pulmonary and respiratory terminology, 771-774
- punctuation. *See also* individual symbols
 - abbreviations, 334-335, 456-457
 - affiliation footnotes, 340
 - alignment of data in tables, 89-90
 - allele terminology, 628
 - book reference citation format, 55-56
 - bylines, 15-16, 136
 - citations, 42-44
 - clotting factor terminology, 670
 - complement terminology, 682
 - contractions, 322
 - dialogue, 341
 - DNA sequences, 592-593
 - electrocardiography terminology, 554-555
 - e-mail addresses, 29
 - enumerations, 334, 828-829
 - eponyms, 779-780
 - HLA terminology, 690-694
 - indexing, 425-426, 431
 - journal titles, 479
 - mathematical composition, 908-910, 912-913
 - modifiers (noun strings), 316
 - multiplication, 910
 - non-English words, 422
 - nonrestrictive clauses, 318-319
 - nucleotide sequence variations, 593
 - numerals, 793-794
 - quotation marks, titles and subtitles, 11
 - ratios, 832
 - references, 41, 44-45
 - roman numerals, 457
 - SI units, 791
 - tables, 95-96
- purposive sample, statistical definition, 888
- P* value, rounding numbers, 851-852
- P* value, statistical definition, 888-889
- QALY (quality-adjusted life-year), cost-benefit/cost-effective analysis, 849
- QALY (quality-adjusted life-year), statistical definition, 889
- QRS complex, 554-557
- qualitative data, statistical definition, 889
- qualitative study, statistical definition, 889
- quality-adjusted life-year (QALY), cost-benefit/cost-effective analysis, 849
- quality-adjusted life-year (QALY), statistical definition, 889

- quality review after publication, 274
- quantile, statistical definition, 889
- quantitative data, statistical definition, 889
- quasi-experiment, statistical definition, 889
- question mark, 355-356
- QUOROM (Quality of Reporting of Meta-analyses), flow diagrams, 107, 847
- quotation marks
- apologetic form, 360
 - article titles and subtitles, 11
 - block quotations, 361-362
 - capitalization, 360
 - coined words, 360
 - comma placement, 341
 - common words used in a technical sense, 361
 - definitions of non-English words, 361
 - diacritics in non-English words, 422
 - dialogue, 359
 - electronic files, 361
 - indirect discourse, 361
 - non-English words, 360
 - omission, 360
 - organisms terminology, 744-745
 - placement, 359-360
 - poems, 361
 - quotations, 359
 - radio broadcasts, 361
 - single quotation marks, 359
 - slang, 360
 - so-called, 361
 - songs, 361
 - television broadcasts, 361
 - titles, 359
 - usage, 358
 - viral terminology, 759
- quotations
- capitalization, 371
 - epigraphs, 24-25
 - insertions in brackets, 357-358
 - punctuation with colon, 343
 - quotation marks, 359
 - reference citation format, 61-62
 - use of ellipses, 365-366
 - use of *[sic]*, 358, 359
- r*, statistical definition, 889
- R*, statistical definition, 889
- R^2 , statistical definition, 889
- r^2 , statistical definition, 889
- race/ethnicity, inclusive language, 414-416
- radiation, units of measure, 816-817
- radioactive isotopes, 24, 527-528
- radio broadcasts, 62, 361, 372
- radiographs, electronic submission, 120
- radiography, usage, 401
- radiology, usage, 401
- radiology terminology, 775-776
- radiopharmaceutical terminology, 579, 707-710
- raised cap, 924
- random-effects model, meta-analysis, 848
- random-effects model, statistical definition, 889
- randomization, statistical definition, 889-890
- randomized controlled trial, statistical definition, 890
- randomized controlled trials
- cost-benefit/cost-effective analysis, 849
 - drug development, 566-567
 - flowcharts, 107
 - manuscript preparation, 9-10
 - QUOROM flow diagrams, 847
 - study design, 838-841
 - vs observational studies, 845-846
- random sample, statistical definition, 890
- range, statistical definition, 890
- rank sum test, statistical definition, 890
- rank, taxonomic, 742-743
- rate, statistical definition, 890
- rates and ratios, 832
- Rat Genome and Nomenclature Committee, 649
- Rat Genome Database, 650
- ratio, statistical definition, 890
- ratios, 343, 345, 354
- reagent terminology, 583-584
- recall bias, case-control study, 846-847
- recall bias, statistical definition, 890
- receiver operating characteristic curve (ROC curve), diagnostic tests, 850
- receiver operating characteristic curve (ROC curve), statistical definition, 890
- receptors in immunoglobulin terminology, 698-699
- redundant publication. *See* duplicate publication
- redundant words and phrases, 405-406
- referees, peer review, 303
- reference group, statistical definition, 890
- references
- abbreviations, 41
 - authors' names, 44-45, 54
 - biblical material, 62, 343
 - bibliographic elements, 41
 - books
 - chapter numbers, 56
 - complete bibliographic data, 41, 52-53
 - edition number, 55
 - editors, 54
 - page numbers, 56
 - place of publication, 55-56
 - publisher, 56
 - translators, 54
 - volume numbers, 54-55
 - year of publication, 56
 - capitalization, 372-373
 - CD-ROMs, 62, 67-68
 - citation lists and number of authors, 134
 - classical material, 62

- corrections, 52
- databases, 70-71
- duplicate publication, 148
- electronic media, 62-64
- e-mail, 71
- general style, 40-41
- government reports, 69-70
- headings, 26
- illustrations, 119
- journal articles, 47-49
 - complete bibliographic data, 41
 - corrections, 52
 - dates, 48
 - discontinuous pagination, 48
 - discussants, 51-52
 - duplicate publication, 52
 - issue numbers, 48
 - names of journals, 48, 472-500
 - no named author, 51
 - page numbers, 48
 - parts of an issue, 49
 - retractions, 52
 - secondary citation, 49-50
 - special departments, 50-51
 - special issues, 49
 - supplements, 49
 - theme issues, 49
- journal names abbreviations, 472-500
- law journals, 78
- legal material
 - case citation, 73-75
 - commercial services citation, 77-78
 - congressional hearings citation, 76
 - federal administrative regulation
 - citation, 76
 - method of citation, 72-73
 - statute citation, 75-78
- legislation, 75-78
- list format, 41
- monographs, 53
- news releases, 72
- non-English language, 46-47
- numbering and citation, 42-44
- online conference proceedings/presentations, 71-72
- online journals, 64-67
- online newspapers, 69
- organization reports, 69-70
- personal communications, 61
- press releases, 61-62
- punctuation, 41, 343, 356
- quotations, 61-62
- radio broadcasts, 62
- secondary citation, 61-62
- software, 70
- special materials
 - audiotapes, 62
 - dissertations, 58-59
 - DVDs, 62
 - government bulletins, 57-58
 - newspapers, 57
 - package inserts, 59
 - patents, 59
 - radio broadcasts, 62
 - serial publications, 58
 - special collections, 59
 - supplements, 49
 - television broadcasts, 62
 - theses, 58-59
 - videotapes, 62
- subtitles, 47
- tables, 95
- television broadcasts, 62
- textual citations, 42
- titles, 45-46
- Uniform Requirements, 40-41
- unpublished data, 60-61
- unpublished material, 59-61
- visual media, 41
- Web sites, 68-69
- regardless vs *irregardless*, usage, 397
- regime vs *regimen*, usage, 401
- regression analysis, statistical definition, 890
- regression line, statistical definition, 891
- regression to the mean, statistical
 - definition, 891
- rejection, letters to the editor, 269
- rejection of a manuscript
 - appeal of decision, 261, 307-308
 - court case, 223
 - duplicate submission, 152-153
 - editorial responsibilities, 265-266
 - news embargo, 293
 - peer review and confidentiality, 220
 - scientific misconduct, 166
- relationship vs *association*, usage, 386
- relative pronouns, 317-318
- relative risk (RR), statistical definition, 891
- relative risk reduction (RRR), statistical
 - definition, 891
- reliability, statistical definition, 891
- repeated measures, statistical
 - definition, 892
- repeated-measures ANOVA. *See* analysis of variance (ANOVA)
- repeat vs *repeated*, usage, 401
- reporting bias, statistical definition, 892
- report vs *describe*, usage, 391
- reprints
 - advertising, 288
 - corrections publication, 270
 - journal articles, 310
 - permissions, 201, 203-206
 - sales, 276
- reproducibility, statistical definition, 892
- republishing of text, *defamation*, 239, 241

- research misconduct. *See* scientific misconduct
- research reports, 3
- research subject, usage, 388-389
- residual, statistical definition, 892
- residual confounding, observational studies, 845
- residual confounding, statistical definition, 892
- respective vs respectively, usage, 401-402
- response rate, statistical definition, 892
- restriction enzyme terminology, 601-603
- restrictive clauses, 318
- Results, 21-22, 25, 838
- retractions, 52, 160-165, 241
- retrospective study, statistical definition, 892
- retroviral gene terminology, 658-659
- review articles
 - conflict of interest disclosure, 171
 - defamation, 238-239
 - journals, 5
 - types of articles, 3-4
- revised editions, copyright, 192-193
- revision, editorial responsibilities, 266
- rhetorical questions, question mark, 335-336
- ρ (Spearman rank correlation), statistical definition, 894
- right-censored data. *See* censored data.
- RIPE Network Coordinating Centre, 456
- risk, statistical definition, 892
- risk factor, statistical definition, 892
- risk ratio, statistical definition, 892
- RNA terminology, 597-599
- ROC curve (receiver operating characteristic curve), statistical definition, 890
- Roman numerals
 - cancer staging terminology, 546
 - clotting factor terminology, 670-672
 - correct usage, 832-833
 - human chromosome terminology, 637
 - nematode gene terminology, 657
 - nerve terminology, 722-723
 - punctuation, 457
 - restriction enzyme terminology, 602
 - table, 833
- root-mean-square. *See* standard deviation (SD)
- rounding numbers, 826-827, 851-852
- RR (relative risk), statistical definition, 891
- RRR (relative risk reduction), statistical definition, 891
- rule of 3, statistical definition, 892-893
- rules in tables, 90
- run-in period, statistical definition, 893
- running foot, title page of manuscript, 19
- running head, title page of manuscript, 19
- Salmonella* nomenclature, 751-752
- salt designations in drug names, 570-572
- sample, statistical definition, 893
- sampling error, statistical definition, 893
- sans serif type, 920-922, 923
- scatterplots, figures, 99-101
- Scheffé test. *See* multiple comparisons procedures
- schizophrenic, usage, 389
- school-age vs school-aged, age, aged, teenage, teenaged, usage, 384-385
- scientific misconduct
 - authorship, 166
 - breaches of confidentiality, 158, 161
 - confidentiality, 222
 - corrections publication, 270
 - definitions, 155-157
 - digital image manipulation, 158-159
 - editorial policy, 159-161
 - expressions of concern, 161-166
 - fabrication of data, 157
 - falsification of data, 157
 - omission of data, 157
 - peer review and confidentiality, 219
 - plagiarism, 158
 - rejection of a manuscript, 166
 - retractions, 160-165
- scientific presentations, media relations, 291-292
- SD (standard deviation), statistical definition, 894
- SE (standard error), statistical definition, 894
- search engines, 287, 301, 436
- SearchGenes (Human Gene Nomenclature Database), 610
- seasons, capitalization, 377
- secondary citation, reference citation format, 61-62
- secondary hemostasis terminology, 669-674
- secondary publication, 149, 151
- section vs slice, usage, 402
- SEE. *See* standard error of the estimate
- selection bias, 846-847
- selection bias, statistical definition, 893
- self-archiving, definition, 184
- SEM (standard error of the mean), statistical definition, 895
- semicolon
 - chromosome terminology, 646, 654
 - conjunctive adverbs, 341-342
 - definition, 341
 - enumerations, 342
 - genotype terminology, 630
 - references, 41
 - separating independent clauses, 341-342
- sensitivity, statistical definition, 893
- sensitivity analysis, 848-850
- sensitivity analysis, statistical definition, 893
- sentence fragments, 325
- sequence variations
 - allele terminology, 628
 - amino acids, 607
 - clotting factor terminology, 672-674
 - gene terminology, 615-616
 - nematode gene terminology, 657

- nucleotides, 593-597
- RNA terminology, 598
- von Willebrand factor terminology, 674
- yeast gene terminology, 657
- serial publications, reference citation format, 58
- series or comparisons, 326-327
- serif type, 920-922, 923
- settings in structured abstracts, 21
- sex, referents, 410
- sex/gender, inclusive language, 412-413
- sexual orientation, inclusive language, 417
- sex vs gender, usage, 395
- sex worker vs prostitute, usage, 400
- shading
 - figures, 114
 - genetic pedigree studies, 661-662
 - rules in tables, 90
 - table stubs, 87
 - vertical bar graphs, 103
- ship names, 372, 925
- SI (Système International d'Unités) units
 - abbreviations, 519-525, 790, 792
 - base units in SI, 788
 - capitalization, 790
 - conversions from conventional units, 795
 - definition, 787-788
 - derived units, 788-789
 - dual reporting conventional and SI units, 794-797
 - exponents, 791
 - expressing quantities, 792-793
 - hyphenation, 792
 - laboratory values, reference ranges and conversion factors, 797-816
 - multiplication of, 790-791, 794
 - parentheses, 792
 - pluralization, 791
 - prefixes, 789
 - punctuation, 791
 - radiation, 816-817
 - spacing, 792
 - subject-verb agreement, 791
 - time, 796
- sic*, in quotations, 358, 359
- sidebars, 84, 122-123
- side effect vs adverse effect, event, reaction, usage, 384
- side heads in boldface type, 925
- signature blocks, corresponding author, 28-29
- signed rank test. *See* Wilcoxon signed rank test
- significance, randomized controlled trial, 839
- significance, statistical definition, 893-894
- significant digits, rounding numbers, 826, 851
- sign test, statistical definition, 894
- since vs because, as, usage, 386
- single-blind vs double-blind peer review, 307
- single quotation marks, 359
- skewness, statistical definition, 894
- slander, definition, 235-237
- slang, 325, 360
- slash. *See* virgule (solidus)
- sleep stages terminology, 729-730
- slice vs section, usage, 402
- small caps, 714, 772-774, 926. *See also* capitalization
- snowball sampling, statistical definition, 894
- social titles, abbreviations, 456-458
- sociocultural designations, 375-376, 415-416
- software
 - antiplagiarism, 158
 - capitalization, 372
 - digital image manipulation, 158-159
 - figures, 120
 - indexing, 311
 - reference citation format, 70
 - scientific misconduct and, 156
 - spell-check, 324
 - table preparation, 97
 - 3-dimensional figures, 115
- solidus (*see* virgule)
- solution concentrations, units of measure, 795
- somite terminology, 723-724
- song names in quotation marks, 361
- Southern blotting, 601
- Southwestern blotting, 601
- space vehicle names, 372, 925
- spacing
 - 4 digits or more, 822
 - line, 923
 - mathematical composition, 913
 - SI units, 792
 - typography, 922
 - word, 922
- Spearman rank correlation (ρ), statistical definition, 894
- special collections, reference citation format, 59
- species in virus nomenclature, 757-758
- specificity, statistical definition, 894
- spinal nerve terminology, 723-724
- split infinitives, 322
- spongiform encephalopathies terminology, 768-769
- sponsorship
 - acknowledgments, 32, 145-146, 173
 - authorship criteria, 130
 - online-only articles, 37
- S protein and protein S, 674, 683
- staging, tumor terminology, 546-549
- standard deviation (SD), statistical definition, 894
- standard error (SE), statistical definition, 894
- standard error of the difference, statistical definition, 895
- standard error of the estimate, statistical definition, 895
- standard error of the mean (SEM), statistical definition, 895

- standard error of the proportion, statistical definition, 895
- standardization (of a rate), statistical definition, 895
- standardized mortality ratio, statistical definition, 895
- standard normal distribution, statistical definition, 895
- standard score. *See* *z* score
- STARD (Standards for Reporting of Diagnostic Accuracy), 107, 850
- state and province names, abbreviations, 451-454
- statistic, statistical definition, 895
- statistical analysis
 access to data statement, 174
 acknowledgments, 32-33, 35, 142, 144-145
 figures, 117
 peer review, 306
 tables, 96
- statistical symbols and abbreviations, 900-902
- statistical techniques, 852-853
- statistics, terminology in italics, 926
- Statute of Anne, 187
- stem cell terminology, 714
- stereoisomers, 572
- stochastic, statistical definition, 895
- stopping rule, statistical definition, 896
- strains
 bacterial nomenclature, 752
 influenza nomenclature, 760-761
 viral terminology, 758, 760
- stratification, statistical definition, 896
- streptococci nomenclature, 752-753
- structured abstract format
 copyright, 199
 original article, 20-22
 review articles, 22-23
 types of articles, 4
- stubs in tables, 87-88, 92
- Student-Newman-Keuls test. *See* Newman-Keuls test
- Student *t* test. *See* *t* test
- study design
 case-control study, 846-847
 case series, 847
 cohort study, 846
 cost-benefit analysis, 849
 cost-effectiveness analysis, 849
 crossover trial, 842-843
 diagnostic tests, 849-850
 equivalence and noninferiority trials, 843-845
 meta-analysis, 847-848
 observational studies, 843-846
 parallel-design double-blind trials, 841-842
 randomized controlled trial, 566-567, 838-841
 research and statistical analysis, 835-836
 survey studies, 850-851
- study group, statistical definition, 896
- subentry levels, indexing, 433-434
- subgenus in bacterial nomenclature, 744
- subheads, 924-925
- subject and patient anonymity, 121
- subject-verb agreement
 collective nouns, 329
 compound subject, 329-330
 definition, 327
every and *many a*, 330
 false singulars and plurals, 328
 intervening phrase, 327-328
one of those and plural verb, 330
 parenthetical plurals, 328, 357
 shift in number and disagreement, 330
 subject and predicate differ, 330
the number and *a number*, 330-331
 with SI units of measure, 791
- subject vs patient, case, consumer, client, usage, 388-389
- subjunctive verbs, 320
- submission requirements
 editorial assessment, 301
 figures, 120-121
 Internet, 304-306
 print and online, 7-8
 Web sites, 263
- subspecific ranks in bacterial nomenclature, 745-746
- substantial contribution, authorship criteria, 128
- subtitles
 articles, 8-13
 first word capitalization, 371
 hyphenated compounds, capitalization, 373-374
 numbers, 11
 reference citation format, 47
- sufficient cause, statistical definition, 896
- suffixes
 capitalization, 373
 colony-stimulating factor terminology, 577-578
 hyphenation, 350
 -ic, -ical, usage, 395
 molecular terms, 714
 monoclonal antibody terminology, 578-579
 nonproprietary drug names, 567-568
 -ology, usage, 399
 taxonomic rank, 742-743
- suggestive vs suspicious, usage, 402
- supplements, 49, 283-284
- supportive criteria, statistical definition, 896
- surgical procedure vs operation, usage, 399
- surnames, prefixes and particles, 45-46
- surrogate end points, statistical definition, 896
- survey studies, study design, 850-851
- survival analysis, statistical definition, 896
- survival plots and survival curves, 99-100
- survivor vs victim, usage, 402

- suspicious vs suggestive, usage, 402
- symbols
- capitalization, 371, 374
 - chromosome terminology, 640-644
 - figures, 114
 - fruitfly gene terminology, 656-657
 - gene T-cell terminology, 704
 - genetic pedigree studies, 660-666
 - mathematical composition, 911-912
 - molecular neuroscience gene terminology, 732-733
 - mouse gene terminology, 650-653
 - nematode gene terminology, 657
 - ophthalmology terminology, 736-737
 - pluralization, 369
 - pulmonary and respiratory terminology, 771-774
 - sequence variations, 595
 - in situ hybridization, 646-647
 - SI units, 788-790
 - spacing, 913
 - statistical, 900-902
 - table footnotes, 91
 - trademark, 212, 584
 - yeast gene terminology, 657
- symposium discussions, copyright, 200-201
- synonyms, cross-references, 432
- Système International d'Unités (*see* SI)
- tables
- abbreviations, 92-96
 - alignment of data, 89-90, 92
 - appendixes, 36
 - boldface type, 89, 925
 - capitalization, 371, 373-374, 378-379
 - column headings, 86-87
 - components, 84, 86-90
 - ellipses, 88, 366
 - enumerations, 829
 - fields, 87-88
 - footnotes, 90-95
 - headings, 26
 - manuscript preparation, 309
 - matrix form, 84
 - No. (number), abbreviated, 829
 - numbers, 87-88, 96
 - online-only articles, 36-38
 - organization of information, 84
 - permission to reproduce, 34-35, 95
 - preparation, 97
 - punctuation, 95-96
 - references, 42, 44
 - row headings, 87
 - rules and shading, 90
 - software, 97
 - statistical analysis, 96
 - stubs in, 87
 - tabulations, 83
 - totals, 89-90
 - units of measure, 95-96
 - uses, 81-82
 - vs text, 81
- tabulations, 82-83
- target population, statistical definition, 896
- τ (tau). *See* Kendall τ (tau) rank correlation
- taxonomy of organisms, 436, 740-743, 756-758
- T-cell receptor gene terminology, 702-703
- T-cell terminology, 701-703
- technical terms, abbreviations, 501-519
- teenage vs teenaged, age, aged, school-age, school-aged, usage, 384-385
- television broadcasts, 62, 361, 372
- temperature, units of measure, 795, 823
- temperature vs fever, usage, 394
- tenses of verbs, 320-321
- terminate vs abort, usage, 382
- ternary names in bacterial nomenclature, 745-746
- test names, capitalization, 377
- text, 81, 119, 197-198
- textual citations of references, 42
- that vs which, usage, 318
- theses, reference citation format, 58-59
- though vs although, usage, 385
- 3-dimensional figures, 115
- thrombolysis terminology, 672-674
- thrombophilias terminology, 672-673
- thyroid hormone terminology, 575
- time
- designators in small caps, 926
 - punctuation with apostrophe, 363
 - punctuation with colon, 343
 - units of measure, 796, 822-823
- title page of manuscript
- acknowledgments, 146
 - affiliation footnotes, 28
 - article title and subtitle, 8-13
 - bylines, 13-14
 - conflict of interest, 172
 - corresponding author, 28-29
 - death of an author, 17
 - disclaimer, 33-34
 - financial disclosure, 30-31
 - footnotes, 16-19
 - group authorship, 15-16, 135-137
 - numerals, 821, 823-824
 - online-only articles, 37
 - running foot, 19
 - running head, 19
 - short title, 20
 - SI units, 791-792
 - Web sites, 68-69
- titles
- articles, 8-13, 372-373
 - capitalization, 372
 - compound official titles, hyphenation, 351-352
 - epigraphs, 25

- titles (*continued*)
- figures, 115-116, 120
 - first word capitalization, 371
 - hyphenated compounds, capitalization, 373-374
 - legends, 120
 - numbers, 11
 - punctuation with comma, 340
 - quotation marks, 11, 359, 361
 - randomized controlled trials, 9-10
 - references, 45-46
 - in tables, 84-86
 - trademarks, 211
- titles and rank, footnotes, 17-19
- titles of persons, 378, 446-448
- titrate vs titration, usage, 403
- T-lymphocyte terminology, 701-702
- TNM staging system terminology, 546-549
- toxic vs toxicity, usage, 403
- TPAL (obstetric terminology), 735
- trade dress, trademarks, 211
- trademarks
- abandonment or dilution, 212-213
 - application for protection, 211-212
 - capitalization, 372, 376
 - definition, 179, 210
 - drug names, 568-569
 - infringement, 214
 - liability concerns, 241-242
 - in references, 584
 - symbols, equipment, 584
 - use in publication, 213
- trade names
- capitalization, 380
 - copyright, 213
 - proprietary drug names, 568-569
 - punctuation, 357
- Trade-Related Aspects of Intellectual Property Rights (TRIPS), 188, 208, 211
- trans*, 374
- transitions, and paragraphs, 331
- translated articles, 149
- translation of non-English words, 421
- translators in book references, 54
- transmissible spongiform encephalopathy terminology, 768-769
- transplant vs transplantation, usage, 403-404
- treatment vs management, usage, 398
- trend, test for. *See* χ^2 test (chi-square test)
- trial, statistical definition, 896
- triangulation, statistical definition, 897
- trinomial names in bacterial nomenclature, 745-746
- TRIPS (Trade-Related Aspects of Intellectual Property Rights), 188, 208, 211
- trivial names
- allele terminology, 629
 - amino acid terminology, 604-607
 - biological nomenclature, 746
 - drugs, 570
- troponins, 562, 618
- true negative, statistical definition, 897
- true-negative rate, statistical definition, 897
- true positive, statistical definition, 897
- true-positive rate, statistical definition, 897
- t* test, statistical definition, 897
- Tukey test, statistical definition, 897
- tumor staging terminology, 548-552
- tumor suppressor gene terminology, 616-617, 636
- 2-tailed test, statistical definition, 897
- 2-way analysis of variance. *See* analysis of variance (ANOVA)
- typefaces, 920, 922
- type I error, statistical definition, 898
- type II error, statistical definition, 898
- typescript vs paper, manuscript, article, usage, 386
- typesetting Greek letters, 783
- typography
- blood groups and platelet antigens, 536-542
 - cancer terminology, 546-552
 - cardiology, 553-563
 - definition, 917-918
 - design elements, 918-920
 - DNA sequences, 589-593
 - fonts, 920-922
 - human gene nomenclature, 608-632
 - indexing, 431
 - layout, 923-924
 - letterspacing, 922
 - mathematical composition, 912
 - nonhuman genetic terms, 649-659
 - plant virus terminology, 759
 - platelet factor terminology, 667-668
 - restriction enzyme terminology, 601-603
 - RNA terminology, 598
 - viral terminology, 757
- typosquatting, 214
- ultrasonography vs ultrasound, usage, 403-404
- UMLS (Unified Medical Language System), nomenclature, 532
- uncensored data, statistical definition, 898
- underlining in chromosome terminology, 646
- under vs over, usage, 399
- unethical studies, 228-229, 839, 843
- Unified Medical Language System (UMLS), nomenclature, 532
- uniform labeling terminology, 709
- uniform prior, statistical definition, 898
- Uniform Requirements for Manuscripts Submitted to Biomedical Journals, 8, 40, 128
- uninterested vs disinterested, usage, 392
- unique identifiers, 532, 596, 721

- units of measure
 - abbreviations, 519-525
 - indexes, 794
 - manuscript preparation, titles and subtitles, 11
 - metric to English unit conversions, 795
 - pressure, 796
 - punctuation with comma, 341
 - SI units, 787-792
 - tables, 92, 95-96
 - temperature, 823
 - time, 796, 822-823
 - title page of manuscript, 823-824
 - visual acuity, 796
- unity, statistical definition, 898
- univariable analysis, statistical definition, 898
- univariate analysis, statistical definition, 898
- unpaired analysis, statistical definition, 898
- unpaired *t* test. *See t* test
- unpublished material
 - copyright, duration of, 190-191
 - fair use exclusions in copyright, 198
 - financial disclosure, 176
 - peer review and confidentiality, 219-220, 265-266
- unpublished material, reference citation
 - format, 59-61
- unsigned editorials, authorship, 132-133
- uppercase letters, usage, 924
- USAN (US Adopted Names Council), 565-566
- US Copyright Law of 1976, 187-188
- US Department of Health and Human Services
 - Regulations for the Protection of Human Subjects, 228
- use vs usage, utility, utilize, usage, 404
- U* test. *See* Wilcoxon rank sum test
- utility, statistical definition, 898
- utility vs utilize, use, usage, 404

- vaccinate vs inoculate, immunize, usage, 396
- validity (of a measurement), statistical definition, 898-899
- validity (of a study), statistical definition, 899
- validity (of a study), survey studies, 850
- Van der Waerden test, statistical definition, 899
- variable, statistical definition, 899
- variable (V) gene segments, 699-700, 703-704
- variables in cohort study, 846
- variance components analysis, statistical
 - definition, 899
- variance ratio distribution, statistical definition, 899
- V, D, and J gene segments, 699-700, 703-704
- verb phrases, 322
- verbs
 - definition, 320
 - double negatives, 322
 - gerunds, 323
 - mood, 320
 - participle, 323
 - plural, 330
 - split infinitives, 322
 - subject-verb agreement, 327-328, 357, 791
 - subject-verb disagreement, 330
 - tense, 320-321
 - verb phrases, 322
 - voice, 320
- vernacular names, 740, 756
- vertebrae terminology, 723-724
- vertebrate genetic terminology, 649-656
- Vibrio cholerae* nomenclature, 753
- victim vs survivor, usage, 402
- video files, digital image manipulation, 158-159
- videos, reference citation format, 66
- videotapes, reference citation format, 62
- viral nomenclature, 756-767
- viral terminology, 756-759
- virgule (solidus)
 - CD (cluster of differentiation) cell terminology, 679
- dates, 354
- equations, 354
- expressions of equivalence or duality, 353
- genotype terminology, 629-632
- HLA terminology, 690, 693
- karyotype terminology, 640
- mouse strains, 655-656
- phonetics, 354
- poetry, 354-355
- rates and ratios, 832
- ratios, 354
- SI unit quotients, 790-791
- used to mean per, 354
- virus terminology, derivations, 760
- vision vs visual acuity, usage, 404
- visual acuity, units of measure, 796
- visual acuity vs vision, usage, 404
- vitamin terminology, 579-580
- vocabulary control, indexing, 434-436
- voice of verbs, 320
- volume, dual reporting conventional and
 - SI units, 794
- volume numbers in references, 48, 54-55
- von Willebrand factor terminology, 673-674

- washout period, crossover trial, 842
- washout period, statistical definition, 899
- Web sites
 - advertising, 280, 285
 - Anthony Nolan Research Institute, 688
 - assignment of copyright, 194
 - CONSORT, 839
 - corrections to published material, 310
 - disclosure of editorial policy, 272
 - domain names protection, 213-214
 - figures, preparing to submit, 120
 - group author citation, 138

Index

- Web sites (*continued*)
HUGO Gene Nomenclature Committee, 714
Human Cell Differentiation Molecules, 679
ICTV viral code, 756
International Federation of Clinical
Neurophysiology, 724
List of Prokaryotic Names With Standing in
Nomenclature, 748
manuscript submissions, 263
Mouse Genome Informatics, 655
organisms terminology, 741
reference citation format, 63-64, 68-69
references, 42
references in manuscripts, 837
retractions, 161-162
typography, 918
UMLS Metathesaurus, 532
Wellcome Trust, data sharing, 181
Western blotting, 601
who vs whom, usage, 317-318
Wilcoxon rank sum test, statistical
definition, 899
Wilcoxon signed rank test, statistical
definition, 900
Wilks λ (lambda), statistical definition, 900
WIPO (World Intellectual Property
Organization), 188, 207-208, 213
word spacing, 922
works for hire, 189, 196, 198-199
works of art, fair use exclusions in copyright,
198
World Association of Medical Editors (WAME)
conflict of interest, 169
editorial freedom, policies for, 253-257
informed consent, 227
news media relations, 292
peer review and confidentiality, 218-219
scientific misconduct and retraction,
160-161
World Intellectual Property Organization
(WIPO), 188, 207-208, 213
writing group, authorship, 136-137
written assignment of copyright, licensing,
194-195
written communications, 61, 146, 199
x-axis, graphic display, 113-114
x-axis, statistical definition, 900
XC chemokine subfamily, 677-678
Yates correction, statistical definition, 900
y-axis, graphic display, 113-114
y-axis, statistical definition, 900
years, pluralization, 369
yeasts, gene terminology, 657
z-axis, statistical definition, 900
z score, statistical definition, 900