

List of my favorite books

TF

2020-03-12

This is pretty self explanatory, but these are my fav books that Ive used throughout my education. I think they are spectacular resources for learning and in addition to sharing them with readers, it is nice to keep a list all in one place. What better place than on my web site?

Epidemiology & Biostat

Title and Author	Description and/or Extra Material
Epidemiology: An Introduction by Ken Rothman	Companion Site
Epidemiology By Design: A Causal Approach to the Health Sciences by Daniel Westreich	
Modern Epidemiology 3rd Ed by Rothman, Greenland and Lash	The First Edition and 2nd Edition are also excellent!
What If, Causal Inference by Miguel Hernan and Jamie Robins	PDF
Statistical Rethinking by Richard McElreath	Version 1 PDF Version 2 PDF
Probability by Joseph Blitzstein and Jessica Hwang	
Regression Modeling Strategies by Frank Harrell	PDF
Applied Longitudinal Data Analysis by Fitzmaurice, Laird and Ware	
An Introduction to Statistical Learning by James, Witten, Hastie, And Tibshirani	Whats new in the 2nd Ed.
Doing Bayesian Data Analysis by John Kruschke	

Medical

Favorites from medical school and training. Included basic science books and might be a good reference for med students looking for **the best** references. Since my focus is surgery and critical care you will get books slanting that way (eg, anatomy, physiology, pathophys, surgical)

Title and Author	Description and/or Extra Material
Medical Physiology by Boron and Boulpaep	Wuite detailed coverage of physiology, useful for a deep dive.
Best and Taylor's Physiologic Basis of Medical Practice by Tandon and Tripathi	I love the presentation of the information in this book. Also useful for a deep dive.
Marino's The ICU Book by Paul Marino	The ICU book for quick learning.
West's Respiratory Physiology by West	Wonderful companion lectures at UCSD to go with it
West's Pulmonary Pathophysiology by West	Wonderful companion lectures at UCSD

Title and Author	Description and/or Extra Material
Gray's Anatomy: The Anatomical Basis of Clinical PracticeBy Standring	Quite in depth anatomy book way beyond just an atlas. Great reference particularly for a surgeon
Anatomy: A Photographic Atlas	Wonderful book that includes real dissection photographs
Toronto Notes	Fabulous summaries of medical information you will need
First Aid for the Basic Sciences: General PrinciplesandFirst Aid for the Basic Sciences: Organ Systems	These are both wonderful resources to summarize the "first two years" of med school curriculum and should accompany study of lecture and material (imo)
Atlas of Human Anatomyby Frank Netter	Didn't appreciate how awesome this is until I was in surgery residency. Its a great reference
Essentials of General Surgeryby Lawrence	Excellent intro summary for medical students going into MS4 rotations
Anatomy as a basis for clinical medicineby ECB Hall-Craggs	This is an out of print and not well known book, but have found it to be a great way to learn anatomy and a great reference too
The Physiologic Basis of SurgeryBy O'Leary	One of my favorite surgery textbooks
Medical MicrobiologyBy Murray	The book I used in med school and quite useful for that purpose. The author, murray, was actually my lecturer
Basic ImmunologyBy Abbas	The book I used in med school, much lighter than Janeway's and hits all the pertinent points for physicians

Popular Science and Math

Title and Author	Description and/or Extra Material
The Simpsons and Their Mathematical Secretsby Simon Singh	
We Have No Ideaby Jorge Cham and Daniel Whiteson	
The Rise and Fall of the Dinosaursby Stephen Brusatte	
What If?: Serious Scientific Answers to Absurd Hypothetical Questionsby Randall Munroe	
Academia Obscuraby Glen Wright	

Fiction

Title and Author	Description and/or Extra Material
Douglas Adams books in generalThe Hitchiker's Guide to the GalaxyDirk Gently Series	
Terry Pratchett books in general, tooDiscworld SeriesGood Omens	
The Dinosaur FeatherandThe Arc of the Swallow	Thrillers set in the world of academia, what's not to love?

Title and Author	Description and/or Extra Material
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Mathematics

Title and Author	Description and/or Extra Material
Calculus 9th ed. By Thomas and Finney	Wonderfully lucid exposition of calculus
Intro. to Linear Algebra by Gilbert Strang	Might be best paired with the MIT OCW Course
Calculus by Spivak	

Physics

Title and Author	Description and/or Extra Material
Feynman's Lectures on Physics	Online Version of the books here
University Physics with Modern Physics by Young and Freedman	Calculus based physics
Physics, Volume 1, 5th Edition and Physics, Volume 2, 5th Edition by Resnick Halliday and Krane	Two parter but also great

Chemistry

Title and Author	Description and/or Extra Material
Biochemistry by Matthews and Van holde	Best Intro Biochem book, and better than Lehninger IMO
Biochemistry by Voet and Voet	The tome; side note: I got to meet Drs. Voet and Voet and have my 3rd Ed signed
Organic Chemistry by Marc Loudon	Better than McMurray and Fay in my opinion. There great great corresponding review sheets here

Biology

Title and Author	Description and/or Extra Material
Campbell Biology	What can be said about this? Comprehenseive intro level biology text covering the entirety of the field from 1000ft view
Molecular Biology of the Cell by Bruce Alberts	I used the 4th ed. (linked) but Im sure the 5th & 6th eds. are great too!
Physical Biology of the Cell by Philips et al.	
Molecular Cell Biology by Lodish and Baltimore	
Karp's Cell and Molecular Biology: Concepts and Experiments	I used this as my into cell bio book and loved it; was a great intro book.

Title and Author	Description and/or Extra Material
Janeway's Immunobiology By Murphy and Weaver	Research Immunology text, too much depth for medical school more for adv undergrad or grad school
Brock Book of Microorganisms	Great intro to microbiology text

... more to come