D3 Js In Action 2e

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Linear growth is a biological process of fundamental importance to the physical and psychological make-up of a child and adolescent but which can be subject to a number of interruptions and disorders. The management and treatment of patients with growth disorders constitues a major, and important, part of practice in clinical paediatrics, while in public health terms growth assessment remains one of the most useful indices of health and economic well being in both developed and the developing world. This book approaches growth and its disorders from both a physiological and pathophysiological standpoint. The book outlines in detail the fundamental biological mechanisms of normal and abnormal linear growth, how to assess growth accurately fundamental to the early detection of abnormality and, importantly, how to manage disorders leading to short and tall stature, and disorders of the timing of puberty. Throughout, emphasis is given on achieving a satisfactory outcome for the child and parent by keeping them fully informed as to what is possible from a particular treatment strategy. The result is a wide-ranging and balanced account of this challenging field drawing on the expertise of a team of international specialists from a variety of backgrounds.
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Vitamin D, a steroid hormone, has mainly been known for its effects on bone and osteoporosis. The current therapeutic practices expand into such markets as cancer research, pediatrics, nephrology, dermatology, immunology, and genetics. This 3e includes over 100 chapters covering everything from chemistry and metabolism to mechanisms of action, diagnosis and management, new analogs, and emerging therapies. This complete reference works is a must-have resource for anyone working in endocrinology, osteology, bone biology, or cancer research. *Most comprehensive, up-to-date two-volume set on Vitamin D *Initial chapters cover the chemistry and metabolism of vitamin D, role in mineralization, other target organs, and general physiological effects *Second volume is more clinically oriented addressing deficiency problems (including diagnosis, interactions in the endocrine system, and involvement in malignancies) *Further sections on emerging uses for treatments of auto-immune diseases and diabetes *New chapters on squamous cell cancer, brain cancer, thyroid cancer and many more *Over 600 illustrations and figures available on CD
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D3. Js in ActionManning Publications

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Data Science Bookcamp is a comprehensive set of challenging projects carefully designed to grow your data science skills from novice to master. Learn data science with Python by building five real-world projects! In Data Science Bookcamp you'll test and build your knowledge of Python and learn to handle the kind of open-ended problems that professional data scientists work on daily. Data Science Bookcamp is a comprehensive set of challenging projects carefully designed to grow your data science skills from novice to master. Veteran data scientist Leonard Apeltsin sets five increasingly difficult exercises that test your abilities against the kind of problems you'd encounter in the real world. As you solve each challenge, you'll acquire and expand the data science and Python skills you'll use as a professional data scientist. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Create and publish your own interactive data visualization projects on the web—even if you have little or no experience with data visualization or web development. It's inspiring and fun with this friendly, accessible, and practical hands-on introduction. This fully updated and expanded second edition takes you through the fundamental concepts and methods of D3, the most powerful JavaScript library for expressing data visually in a web browser. Ideal for designers with no coding experience, reporters exploring data journalism, and anyone who wants to visualize and share data, this step-by-step guide will also help you expand your web programming skills by teaching you the basics of HTML, CSS, JavaScript, and SVG. Learn D3 4.x—the latest D3 version—with downloadable code and over 140 examples Create bar charts, scatter plots, pie charts, stacked bar charts, and force-directed graphs Use smooth, animated transitions to show changes in your data Introduce interactivity to help users explore your data Create custom geographic maps with panning, zooming, labels, and tooltips Walk through the creation of a complete visualization project, from start to finish Explore inspiring case studies with nine accomplished designers talking about their D3-based projects

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If you're in a hurry to learn D3.js, the leading JavaScript library for web-based graphics and visualization, this book is for you. Written for technically savvy readers with a background in programming or data science, the book moves quickly, emphasizing unifying concepts and patterns. Anticipating common difficulties, author Philipp K. Janert teaches you how to apply D3 to your own problems. Assuming only a general programming background, but no previous experience with contemporary web development, this book explains supporting technologies such as SVG, HTML5, CSS, and the DOM as needed, making it a convenient one-stop resource for a technical audience. Understand D3 selections, the library's fundamental organizing principle Learn how to create data-driven documents with data binding Create animated graphs and interactive user interfaces Draw figures with curves, shapes, and colors Use the built-in facilities for heatmaps, tree graphs, and networks Simplify your work by writing your own reusable components

Summary D3.js in Action, Second Edition is completely revised and updated for D3 v4 and ES6. It's a practical tutorial for creating interactive graphics and data-driven applications using D3. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Visualizing complex data is hard. Visualizing complex data on the web is darn near impossible without D3.js. D3 is a JavaScript library that provides a simple but powerful data visualization API over HTML, CSS, and SVG. Start with a structure, dataset, or algorithm; mix in D3; and you can programmatically generate static, animated, or interactive images that scale to any screen or browser. It's easy, and after a little practice, you'll be blown away by how beautiful your results can be! About the Book D3.js in Action, Second Edition is a completely updated revision of Manning's bestselling guide to data visualization with D3. You'll explore dozens of real-world examples, including force and network diagrams, workflow illustrations, geospatial constructions, and more. Along the way, you'll pick up best practices for building interactive graphics, animations, and live data representations. You'll also step through a fully interactive application created with D3 and React. What's Inside Updated for D3 v4 and ES6 Reusable layouts and components Geospatial data visualizations Mixed-mode rendering About the Reader Suitable for web developers with HTML, CSS, and JavaScript skills. No specialized data science skills required. About the Author Elijah Meeks is a senior data visualization engineer at Netflix. Table of Contents PART 1 - D3.JS FUNDAMENTALS An introduction to D3.js Information visualization data flow Data-driven design and interaction Chart components Layouts PART 2 - COMPLEX DATA VISUALIZATION Hierarchical visualization Network visualization Geospatial information visualization PART 3 - ADVANCED TECHNIQUES Interactive applications with React and D3 Writing layouts and components Mixed mode rendering