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Hadley Wickham,  
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**Python and R for the Modern Data Scientist** Rick J. Scavetta, Boyan Angelov, 2021-06-22 Success in data science depends on the flexible and appropriate use of tools That includes Python and R two of the foundational programming languages in the field This book guides data scientists from the Python and R communities along the path to becoming bilingual By recognizing the strengths of both languages you'll discover new ways to accomplish data science tasks and expand your skill set Authors Rick Scavetta and Boyan Angelov explain the parallel structures of these languages and highlight where each one excels whether it's their linguistic features or the powers of their open source ecosystems You'll learn how to use Python and R together in real world settings and broaden your job opportunities as a bilingual data scientist Learn Python and R from the perspective of your current language Understand the strengths and weaknesses of each language Identify use cases where one language is better suited than the other Understand the modern open source ecosystem available for both including packages frameworks and workflows Learn how to integrate R and Python in a single workflow Follow a case study that demonstrates ways to use these languages together

**Football Analytics with Python & R** Eric A. Eager, Richard A. Erickson, 2023-08-15 Baseball is not the only sport to use moneyball American football fans teams and gamblers are increasingly using data to gain an edge against the competition Professional and college teams use data to help select players and identify team needs Fans use data to guide fantasy team picks and strategies Sports bettors and fantasy football players are using data to help inform decision making This concise

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**R for Data Science** Hadley Wickham. Garrett Golemund, 2016 **Doing Data Science** Cathy O'Neil, Rachel Schutt, 2013-10-09 A guide to the usefulness of data science covers such topics as algorithms logistic regression financial modeling data visualization and data engineering

**Applied Machine Learning** M. Gopal, 2019-06-07 Cutting edge machine learning principles practices and applications This comprehensive textbook explores the theoretical under pinnings of learning and equips readers with the knowledge needed to apply powerful machine learning techniques to solve challenging real world problems Applied Machine Learning shows step by step how to conceptualize problems accurately represent data select and tune algorithms interpret and analyze results and make informed strategic decisions Presented in a non rigorous mathematical style the book covers a broad array of machine learning topics with special emphasis on methods that have been profitably employed Coverage includes Supervised learning Statistical learning Learning with support vector machines SVM Learning with neural networks NN Fuzzy inference systems Data clustering Data transformations Decision tree learning Business intelligence Data mining And much more *Science*, 2011 **Python**

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Learning Data Science Sam Lau, Joseph Gonzalez, Deborah Nolan, 2023-09-15 As an aspiring data scientist you appreciate why organizations rely on data for important decisions whether it s for companies designing websites cities deciding how to improve services or scientists discovering how to stop the spread of disease And you want the skills required to distill a messy pile of data into actionable insights We call this the data science lifecycle the process of collecting wrangling analyzing and drawing conclusions from data Learning Data Science is the first book to cover foundational skills in both programming and statistics that encompass this entire lifecycle It s aimed at those who wish to become data scientists or who already work with data scientists and at data analysts who wish to cross the technical nontechnical divide If you have a basic knowledge of Python programming you ll learn how to work with data using industry standard tools like pandas Refine a question of interest to one that can be studied with data Pursue data collection that may involve text processing web scraping etc Glean valuable insights about data through data cleaning exploration and visualization Learn how to use modeling to describe the data Generalize findings beyond the data

Learning Path Ben Curator, 2015 The R programming language has arguably become the single most important tool for computational statistics visualization and data science With this Learning Path master all the features you ll need as a data scientist from the basics to more advanced techniques including R Graph and machine learning You ll work your data like never before

**Library Literature & Information Science**, 2008 An index to library and information science literature

*Fundamentals of Database Systems* Ramez Elmasri, Sham Navathe, 2007 This edition combines clear explanations of database theory and design with up to date coverage of models and real systems It features excellent examples and access to Addison Wesley s database Web site that includes further teaching tutorials and many useful student resources

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