

Free ebook R data visualization cookbook gohil atmajitsinh [PDF]

if you are a data journalist academician student or freelance designer who wants to learn about data visualization this book is for you basic knowledge of r programming is expected get savvy with r language and actualize projects aimed at analysis visualization and machine learning about this book proficiently analyze data and apply machine learning techniques generate visualizations develop interactive visualizations and applications to understand various data exploratory functions in r construct a predictive model by using a variety of machine learning packages who this book is for this learning path is ideal for those who have been exposed to r but have not used it extensively yet it covers the basics of using r and is written for new and intermediate r users interested in learning this learning path also provides in depth insights into professional techniques for analysis visualization and machine learning with r it will help you increase your r expertise regardless of your level of experience what you will learn get data into your r environment and prepare it for analysis perform exploratory data analyses and generate meaningful visualizations of the data generate various plots in r using the basic r plotting techniques create presentations and learn the basics of creating apps in r for your audience create and inspect the transaction dataset performing association analysis with the apriori algorithm visualize associations in various graph formats and find frequent itemset using the eclat algorithm build tune and evaluate predictive models with different machine learning packages incorporate r and hadoop to solve machine learning problems on big data in detail the r language is a powerful open source functional programming language at its core r is a statistical programming language that provides impressive tools to analyze data and create high level graphics this learning path is chock full of recipes literally it aims to excite you with awesome projects focused on analysis visualization and machine learning we ll start off with data analysis this will show you ways to use r to generate professional analysis reports we ll then move on to visualizing our data this provides you with all the guidance needed to get comfortable with data visualization with r finally we ll move into the world of machine learning this introduces you to data classification regression clustering association rule mining and dimension reduction this learning path combines some of the best that packt has to offer in one complete curated package it includes content from the following packt products r data analysis cookbook by viswa viswanathan and shanthi viswanathan r data visualization cookbook by atmajitsinh gohil machine learning with r cookbook by yu wei chiu david chiu style and approach this course creates a smooth learning path that will teach you how to analyze data and create stunning visualizations the step by step instructions provided for each recipe in this comprehensive learning path will show you how to create machine learning projects with r about this book create animated and interactive plots to help you communicate and explore data utilize various r packages to generate graphs manipulate data and create beautiful presentations learn to interpret data and tell a story using this step by step guide to data visualization who this book is for if you are a data journalist academician student or freelance designer who wants to learn about data visualization this book is for you basic knowledge of r programming is expected

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