Creating Visualizations Using Base R Graphics

CREATING BAR GRAPHS IN BASE R

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Overview

Understand benefits of using R Base Graphics

Create a simple bar chart for two variables

Produce a custom stacked bar chart with three variables

Know how to create a graph today to understand a new dataset

Benefits of Using Base R vs. Other Packages

Base R

Simple code

Summarize data quickly

Save code to easily recreate

Other packages:

Download and install library

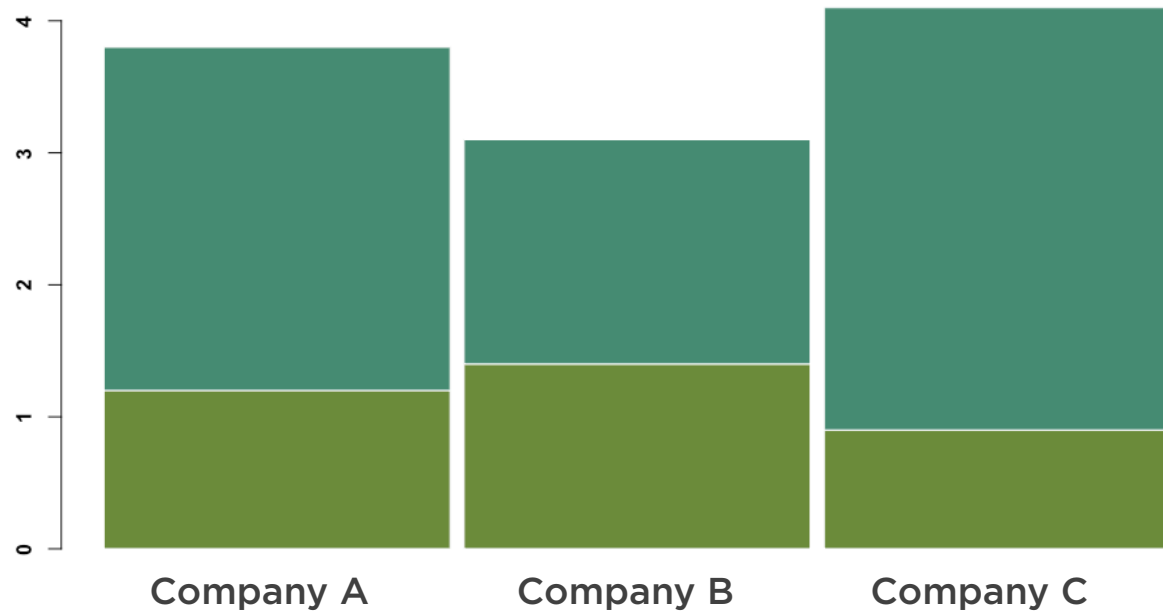Not always simple

Ie: ggplot2, plotly, leaflet

Datasets

Date	IBM	INTC	CSCO	GE	DJ Industrials Index
9-13-10	$127.58	$18.43	$21.04	$15.39	$10447.93
9-13-10	$125.95	$18.12	$20.58	$15.44	$10340.69

Company	Recommendation
Capital One	Hold

Bar Chart

Bar Chart:

Revenue by Company

Goal:

Measurement by Category

Demo

Create data frame

Understand data types and grouping

See the bar plot

Create stacked bar plot

Summary

Create a simple bar chart without loading a library

Customize the bar chart

Produce a stacked bar chart and customize it

Communicate the results

– Show your team or a fellow analyst what is happening in the data