Coursera: Data science: Foundations using R specialization

Course 4: Exploratory Data Analysis

Why do we use graphs in data analysis?

V To understand data Properties

V To find patterns in data

V To Suggest modeling Strategies

√ To " debug" analy ses

V To communicate results

five number summary, BoxPlot, hist1), etc
summary() > min. 1st Qu. median. Mean 3rd Qu. Max.

* ggplot1 > > ggplot2 , lattice pkg

1/1 pch: the Plotting Symbol (default is open circle)

1/1 Hy: line type (default is solid line)

1, Iwd: line midth

111 Col: Plotting Color

(b) dev.copy () → copy plot to a PN6 file

dev. off () → close PN6

@ ggplot:() + facet_wrap()

T

make panels

Hierarchical dustering

1/2 helust ()

1/2 kmeanse 7

Requires a number of cluster

Ø SVD matrix Decomposition → Svd()

PcA

Rolor Brewer Pkg