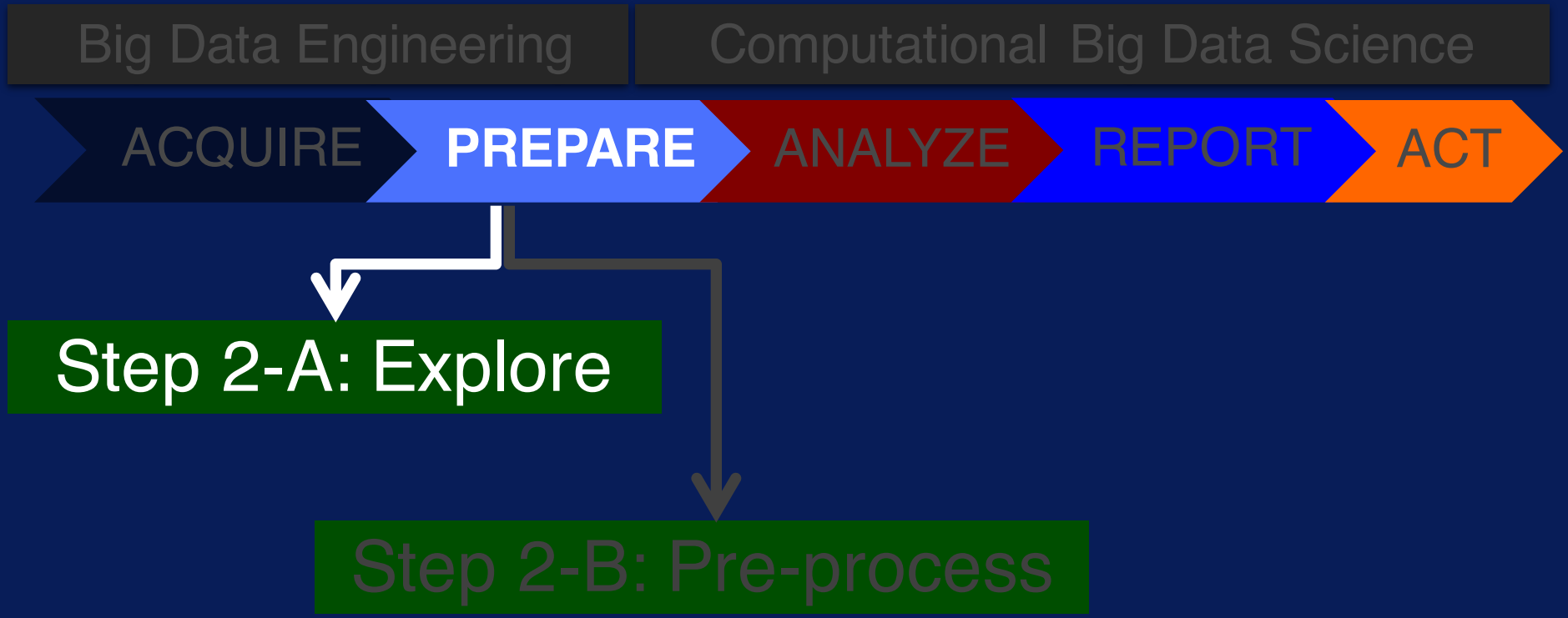
Step 2-A:

Exploring Data

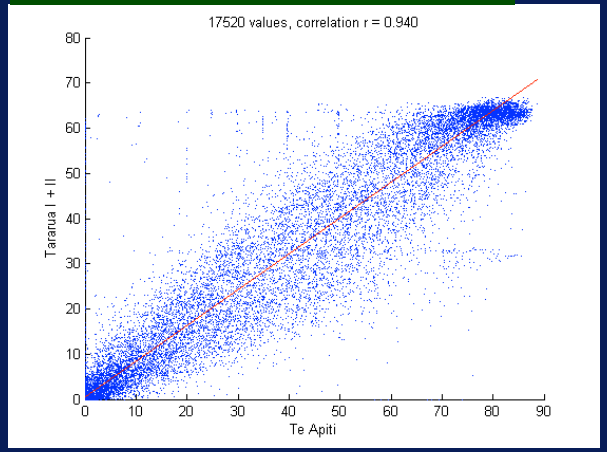

Big Data Engineering
Computational Big Data Science
ACQUIRE
PREPARE
ANALYZE
REPORT
ACT
Step 2-A: Explore
Step 2-B: Pre-process

Why Explore?

Goal: Understand your data

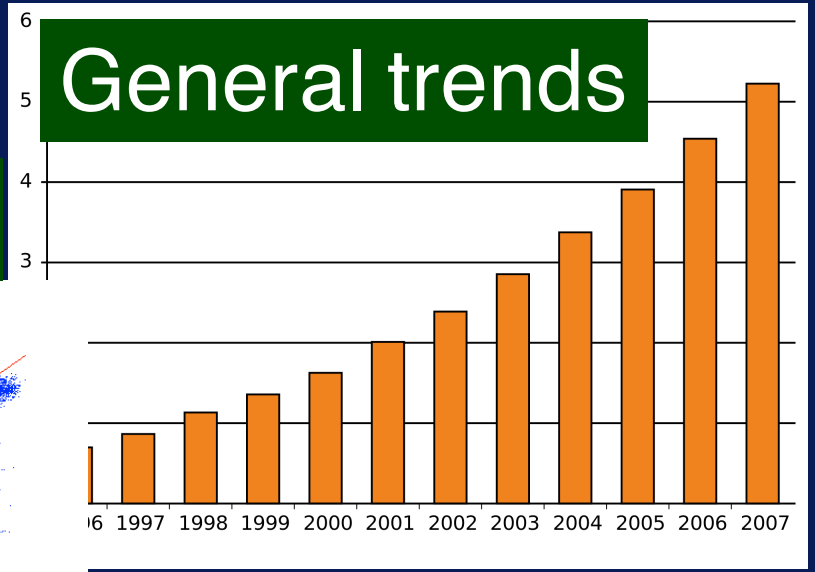
Why Explore?

Correlations

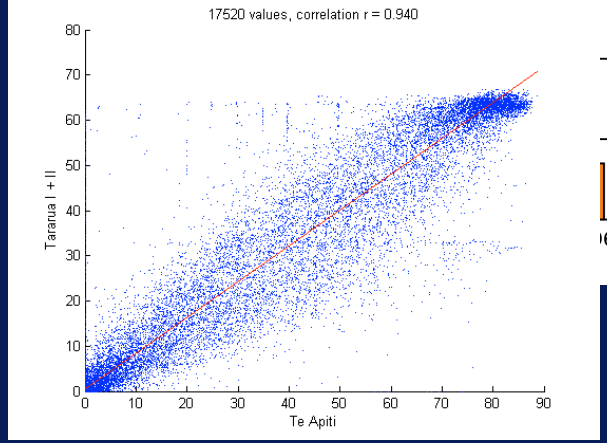


Why Explore?

General trends

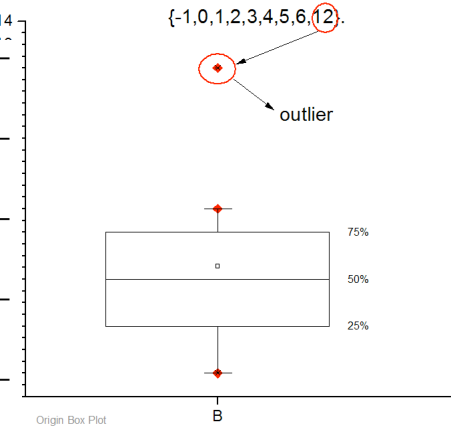


Correlations

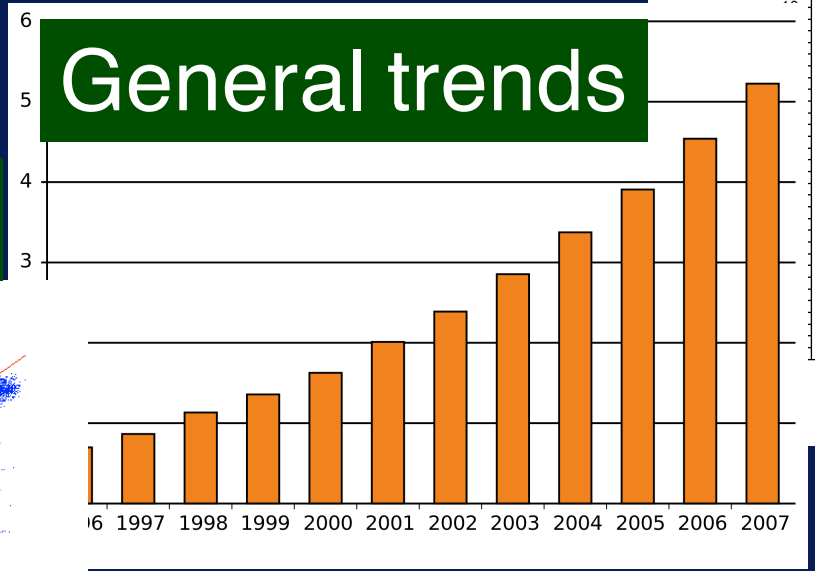


Why Explore?

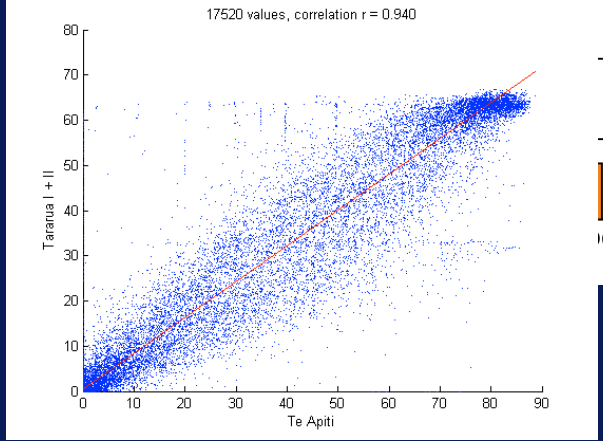
Outliers



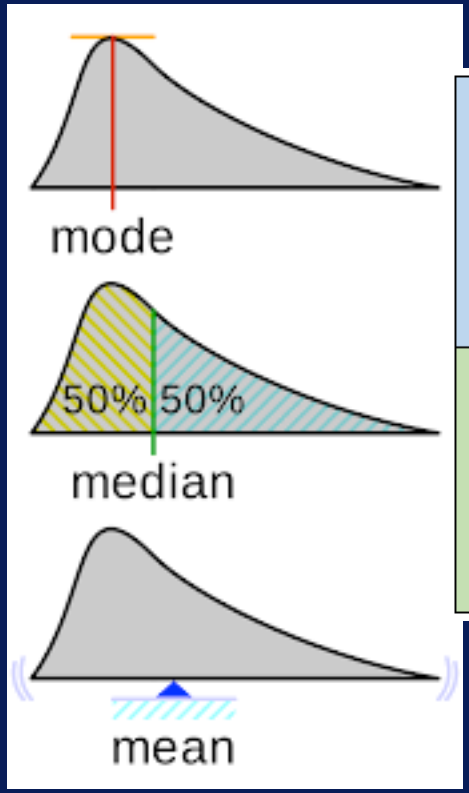
General trends

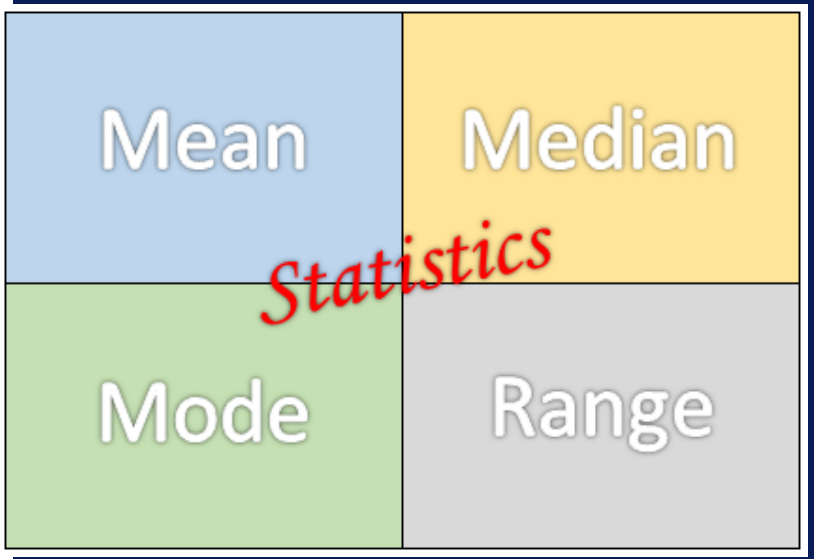


Correlations



Describe Your Data

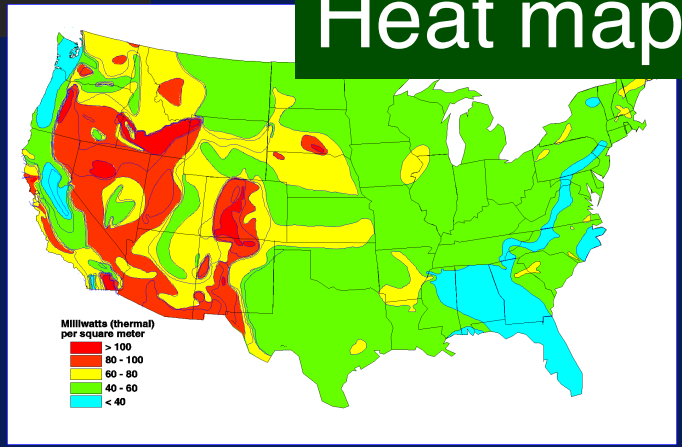




Visualize Your Data

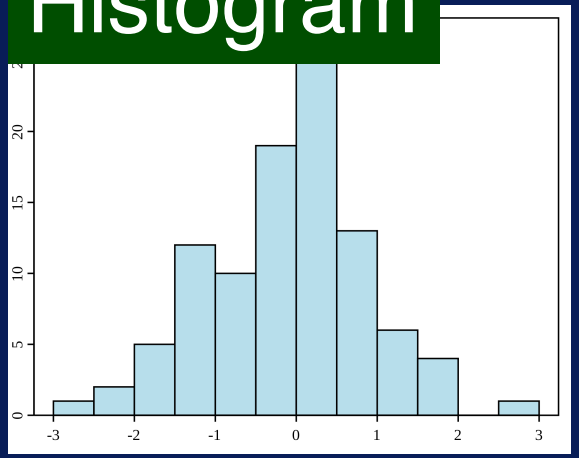
Visualize Your Data

Heat maps

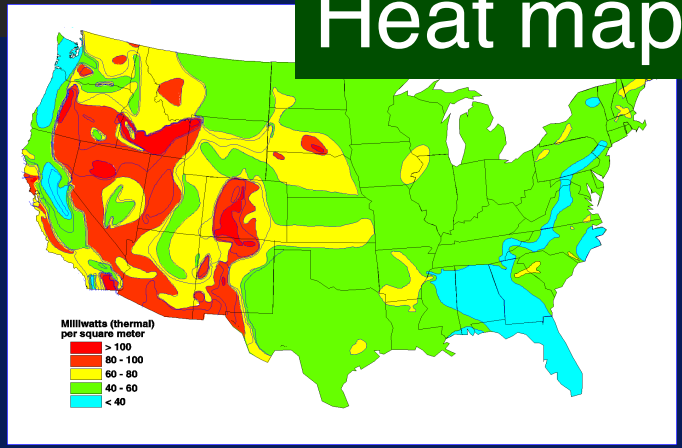


Visualize Your Data

Histogram



Heat maps



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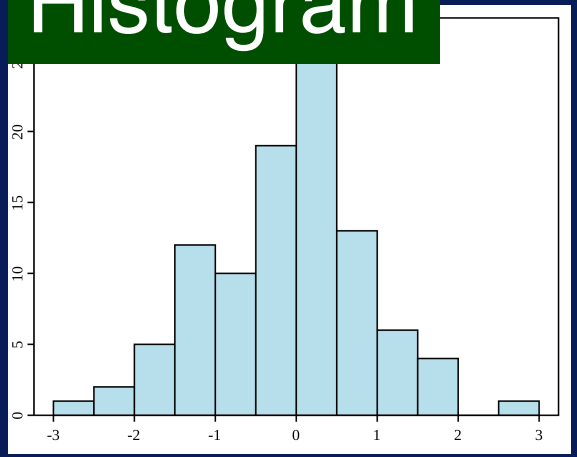
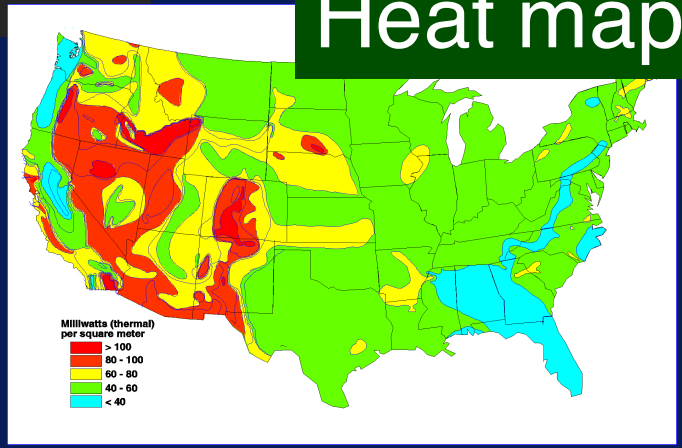
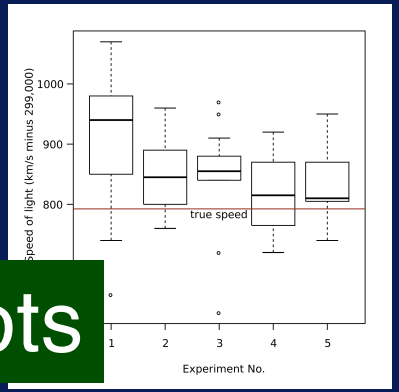


Heat maps



Boxplots



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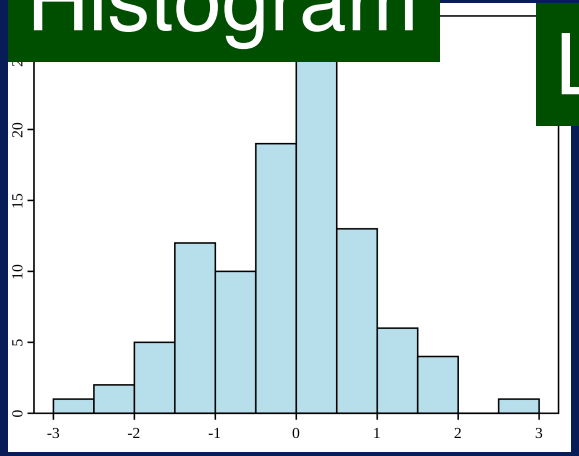
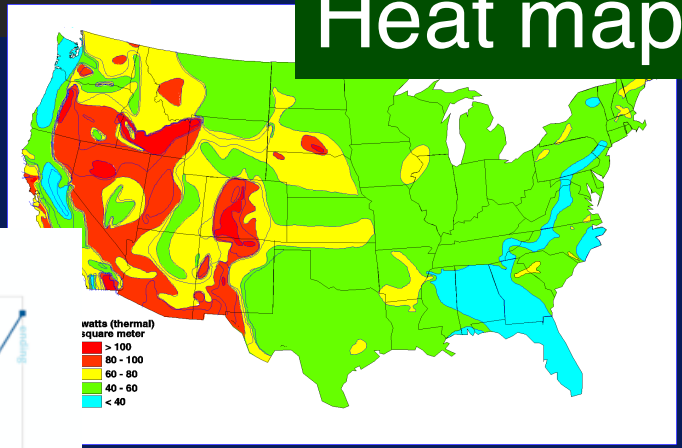
Histogram

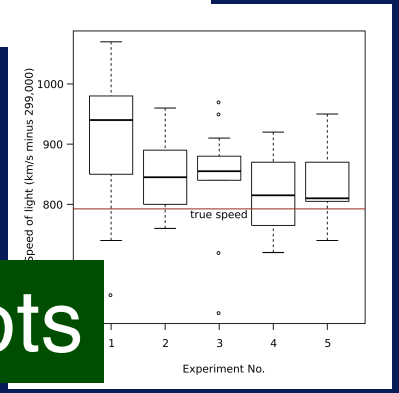


Line graphs

Heat maps

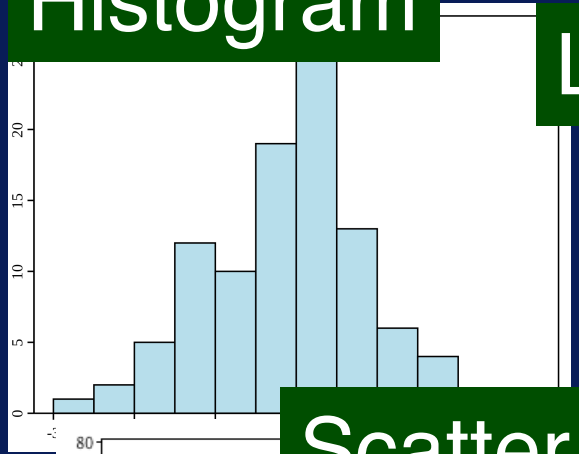


Boxplots



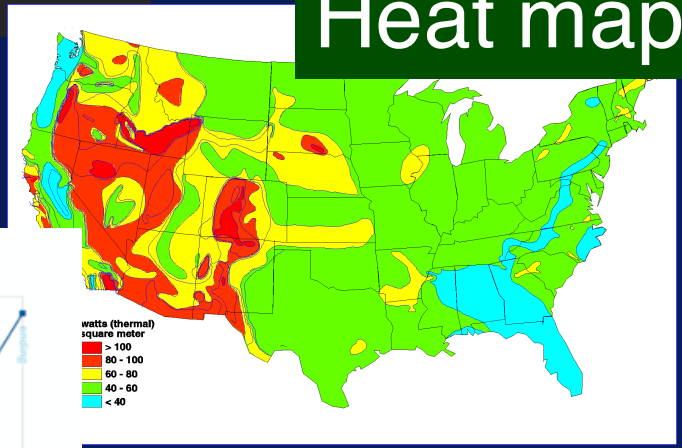
Visualize Your Data

Histogram

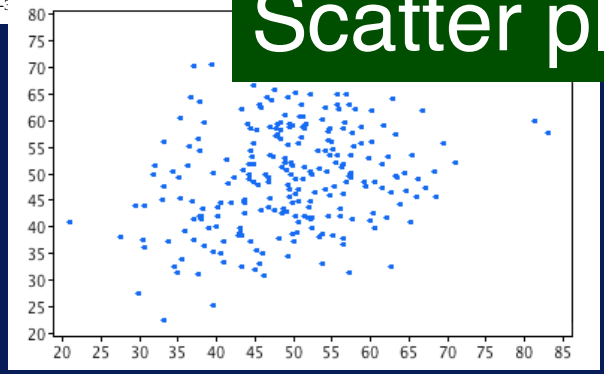


Line graphs

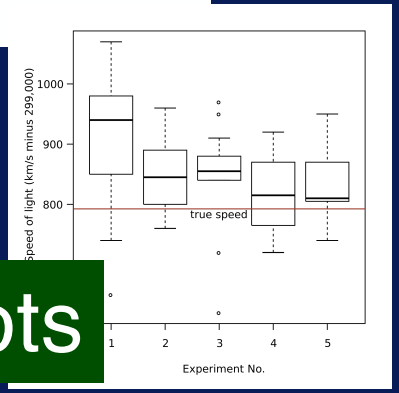
Heat maps

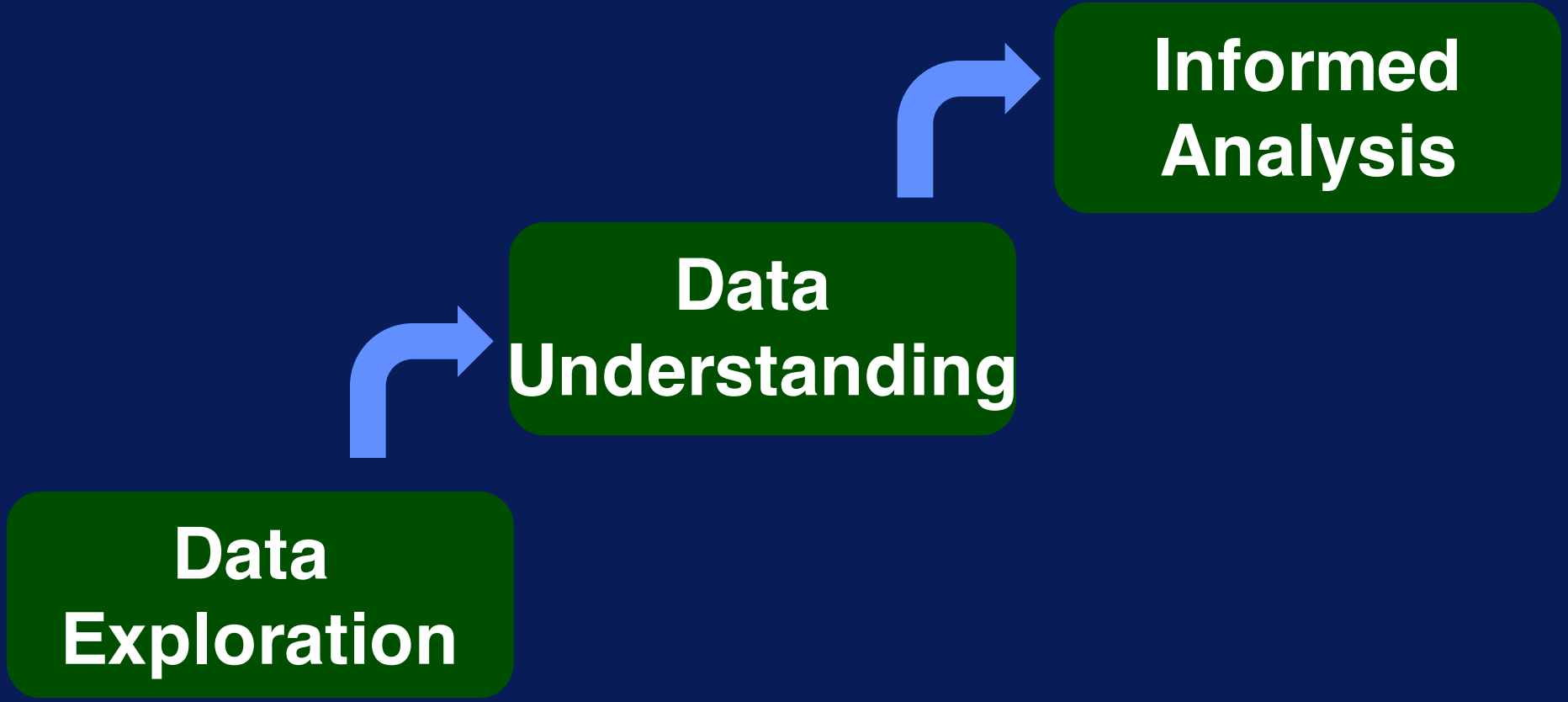


Scatter plots



Boxplots




Informed Analysis
Data Understanding
Data Exploration