## Step 2-A:

# **Exploring Data**

## After this video you will be able to...

Explain the importance of exploring data

Identify methods to perform preliminary analysis of your data

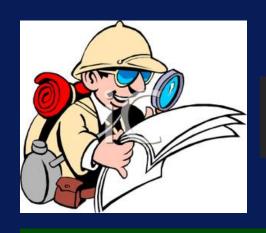
Big Data Engineering

Computational Big Data Science

ACQUIRE PREPARE ANALYZE REPORT A

Step 2-A: Explore

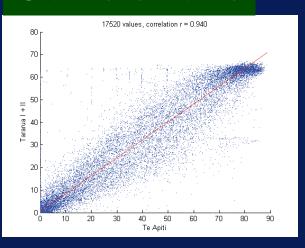
Step 2-B: Pre-process



Goal: Understand your data

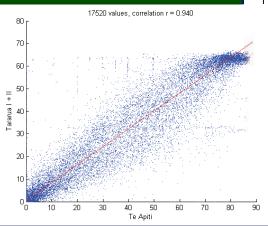


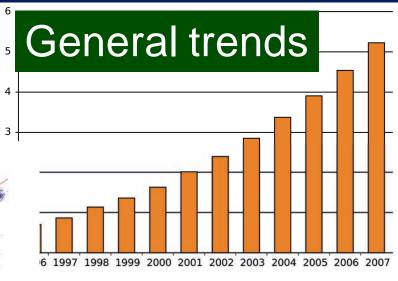
#### Correlations





#### Correlations

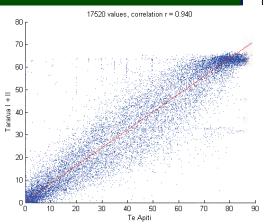


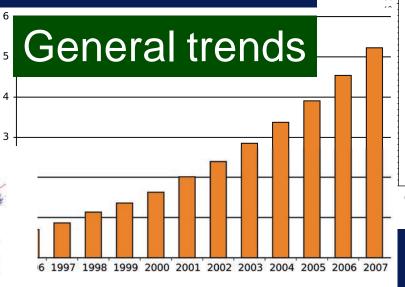


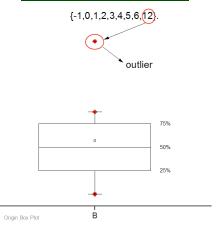


#### **Outliers**

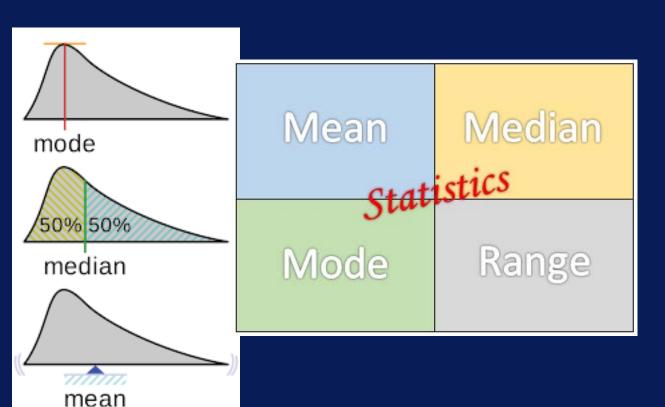


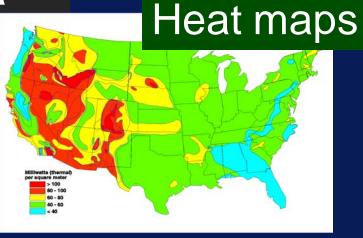


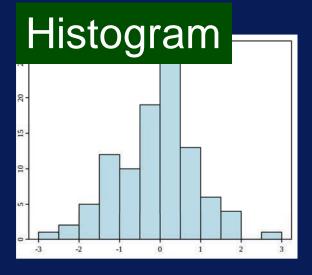


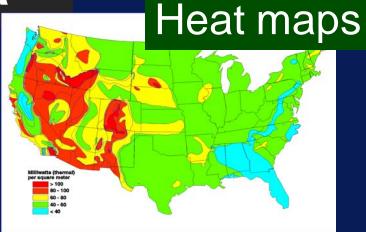


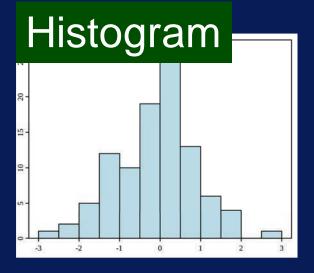
### **Describe Your Data**

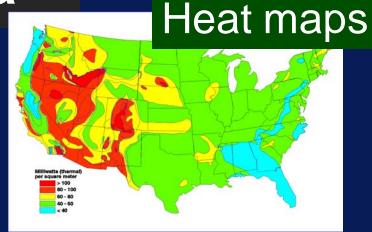


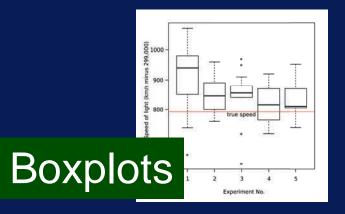




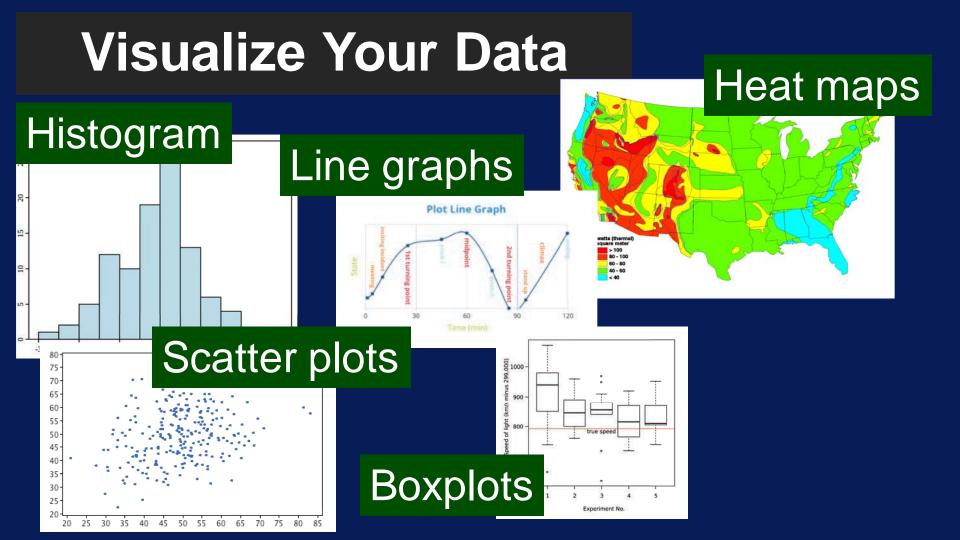








Visualize Your Data Heat maps Histogram Line graphs Plot Line Graph 1000 1000 · **Boxplots** 





# **Informed Analysis**



Data Exploration