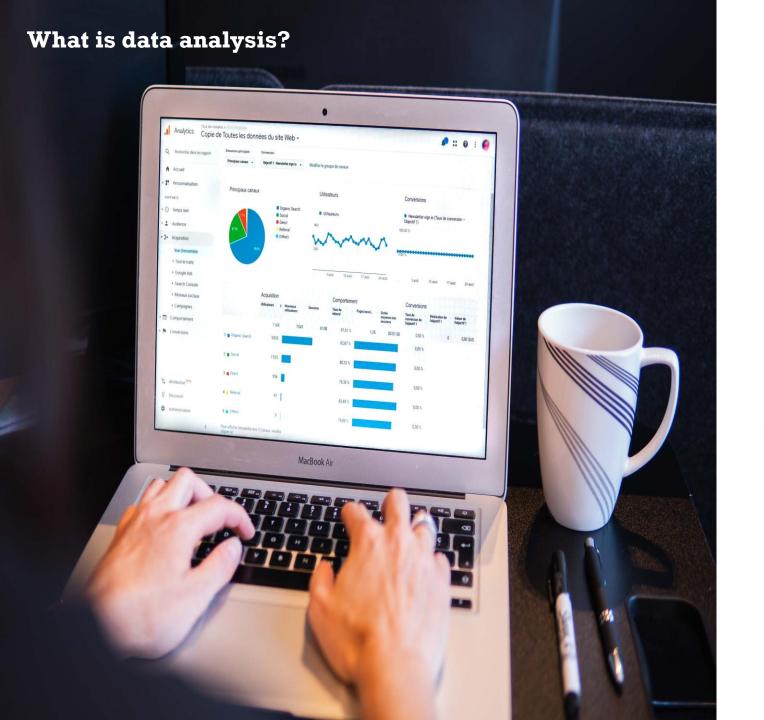


outlines

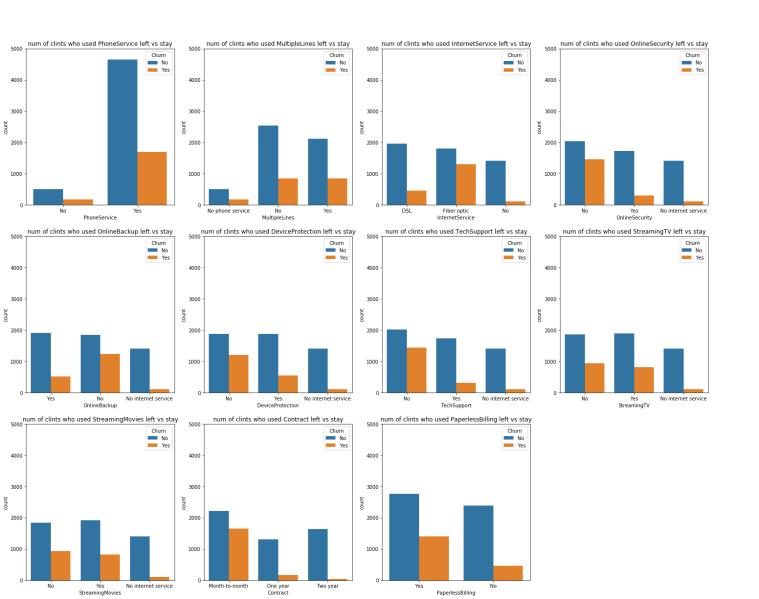
- What is data analysis?
- Data Analysis Process
- Case Study

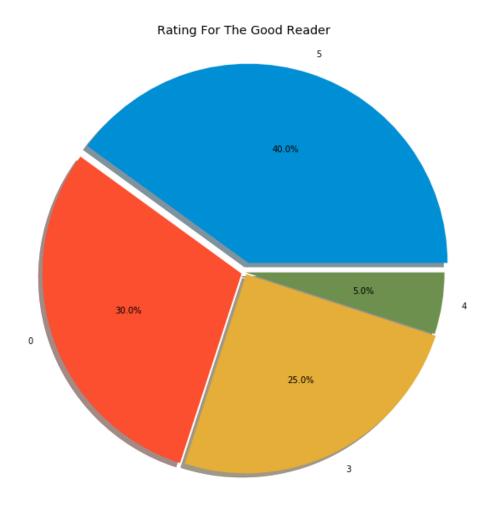




Types of Data Analysis: Techniques and Methods

Statistical Analysis





Text Analysis

Terrible Service - I ordered a a brand new computer from the web store. I'm furious to find out that the tracking number doesn't work and my order might be lost. Please respond ASAP.



Order Issue

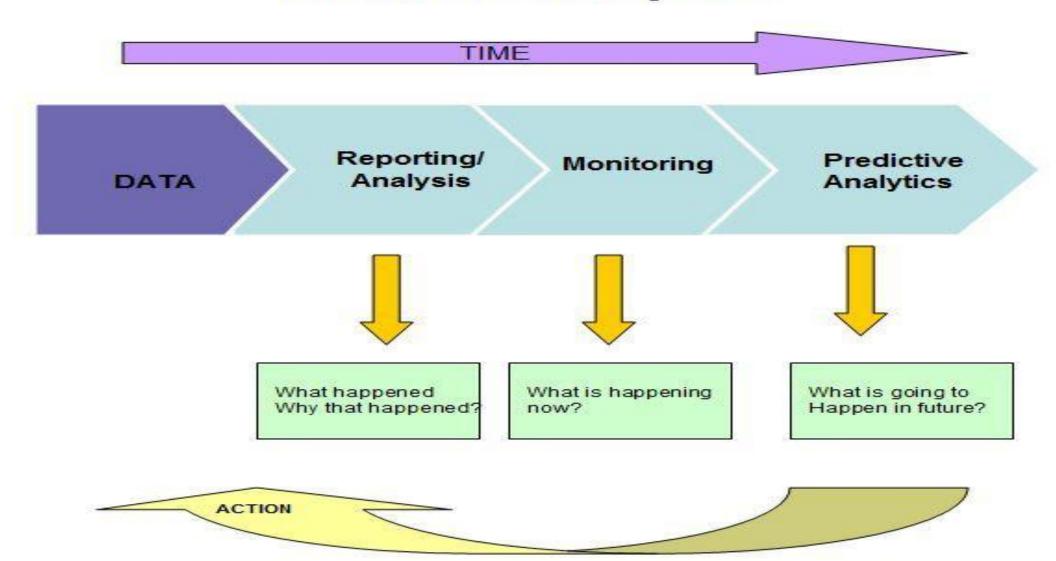
Negative

Urgent





Predictive Analytics



Data Analysis Process





Defining the question

Problem statement

What business problem am I trying to solve?

Open the notebook



Collecting the data

(numeric) data

Text data

Images data

other

From: CSV flies – APIs – Web scraping – Database

Step 3

Wrangling and Cleaning the data

Data Science

Removing major errors, duplicates, and outliers

Removing unwanted data points



EDA

Bringing structure to your data

Filling in major gaps

Open the notebook

Step 4

Data Analysis | EDA

Descriptive analysis

Descriptive analysis identifies what has already happened

Predictive analysis

Predictive analysis allows you to identify future trends based on historical data

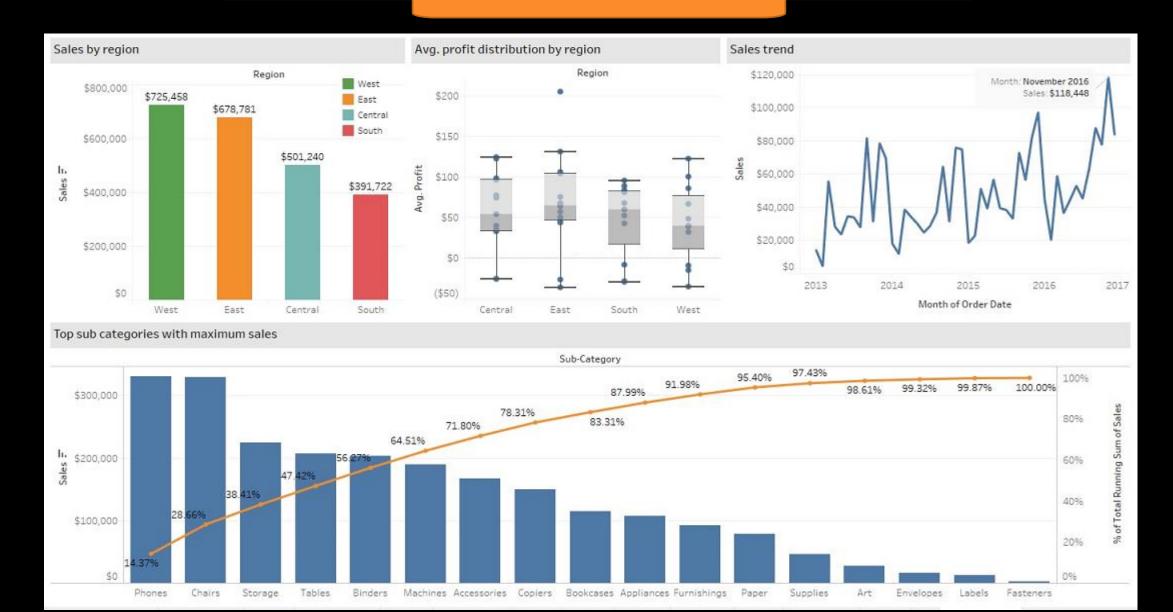
Diagnostic analysis

Diagnostic analytics focuses on understanding why something has happened

Prescriptive analysis

Prescriptive analysis allows you to make recommendations for the future

Sharing your results



Cases study

data

Download

https://video.udacity-data.com/topher/2018/October/5bc6498d_fuel-economy-datasets/fuel-economy-datasets/sip