



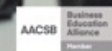
# Exploratory Data Analysis

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ACCREDITATIONS

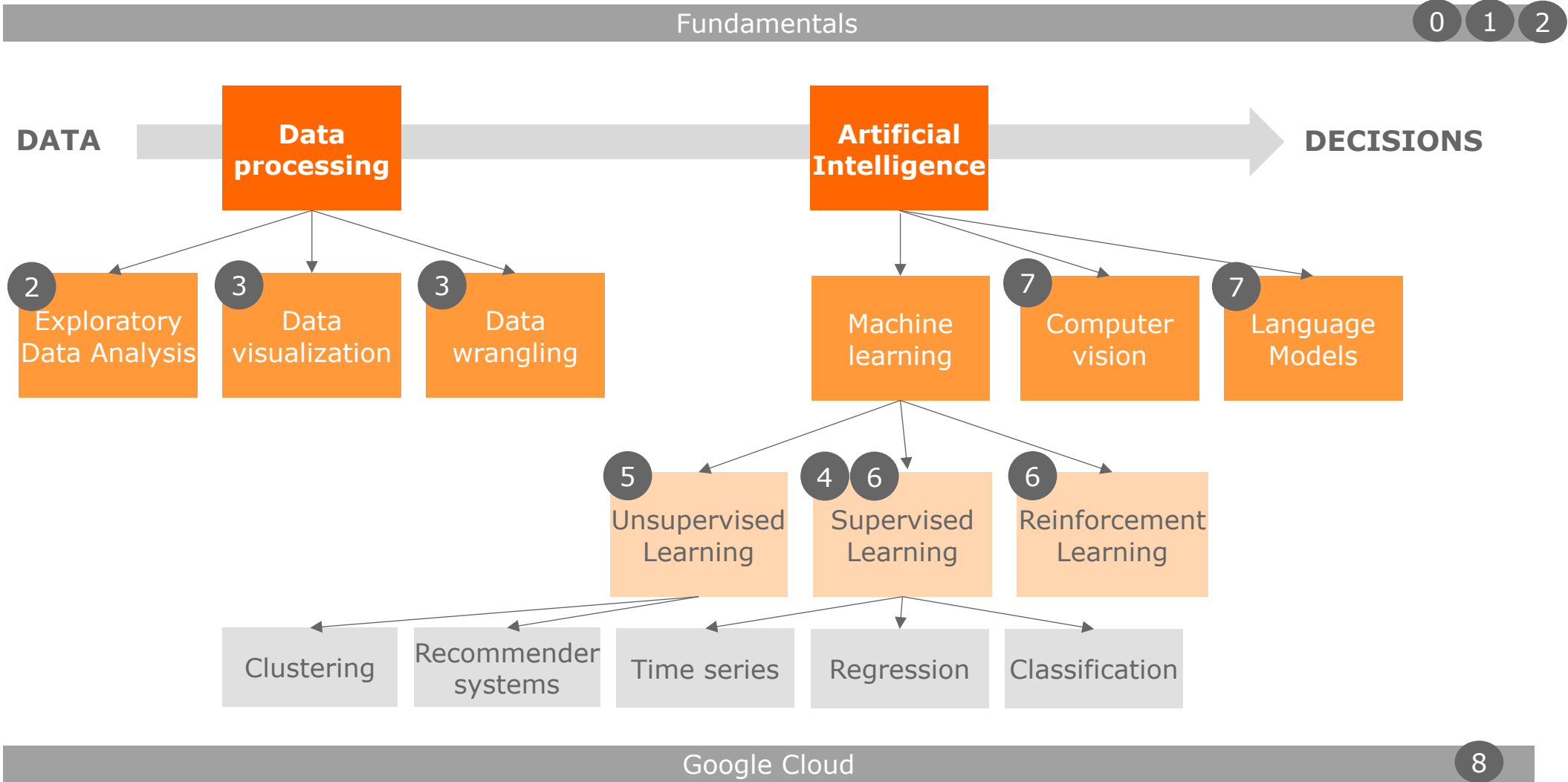


MEMBERSHIPS



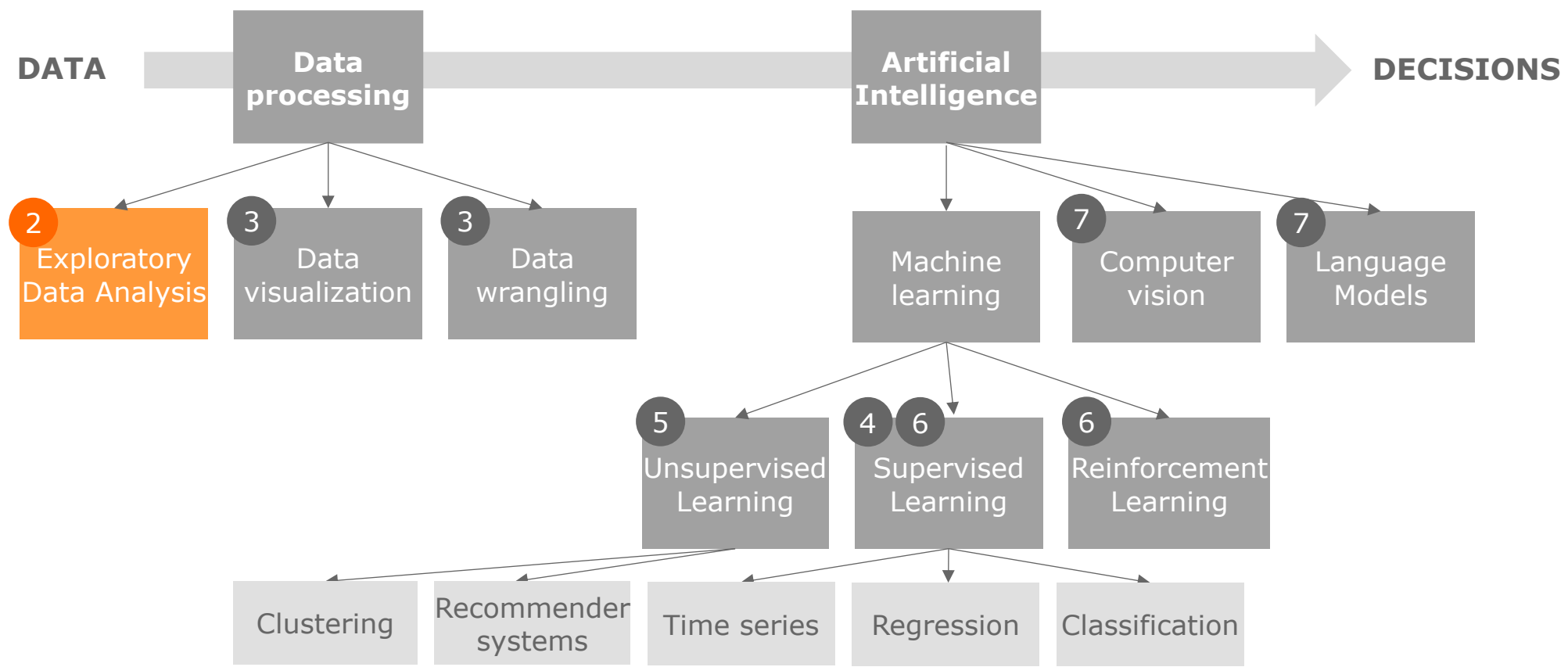
RANKINGS





Fundamentals

012



Google Cloud

8

# Data Wrangling and Data Visualization

## Data Engineering

- Different types of data (unstructured, semi-structured and structured data)
- Data importing
- Data cleaning
- Data transformation (date parsing, character encodings, etc.)

## Data Visualization

- Visualizing data in Python using Seaborn
- Line charts
- Bar charts and heat maps
- Scatter plots
- Histograms and density plots

## EDA in Python

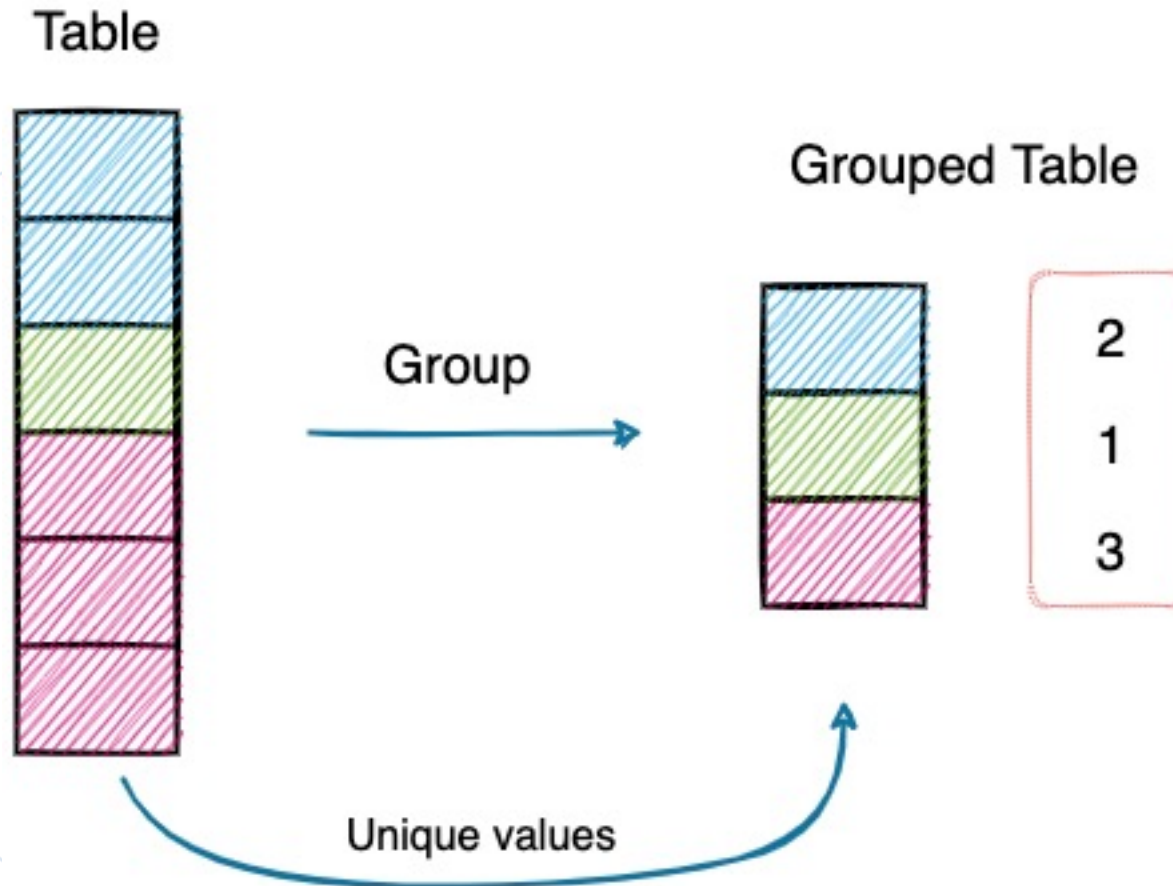
- Building a data processing pipeline (import, transform, visualize)
- Descriptive statistics of a dataset
- Visual outlier detection and correction

## Adv. Topics in Dataviz

- Examples of advanced data visualization
- Univariate visualization
- Multivariate visualization
- Whole dataset visualisations

# Some important data aggregation operations

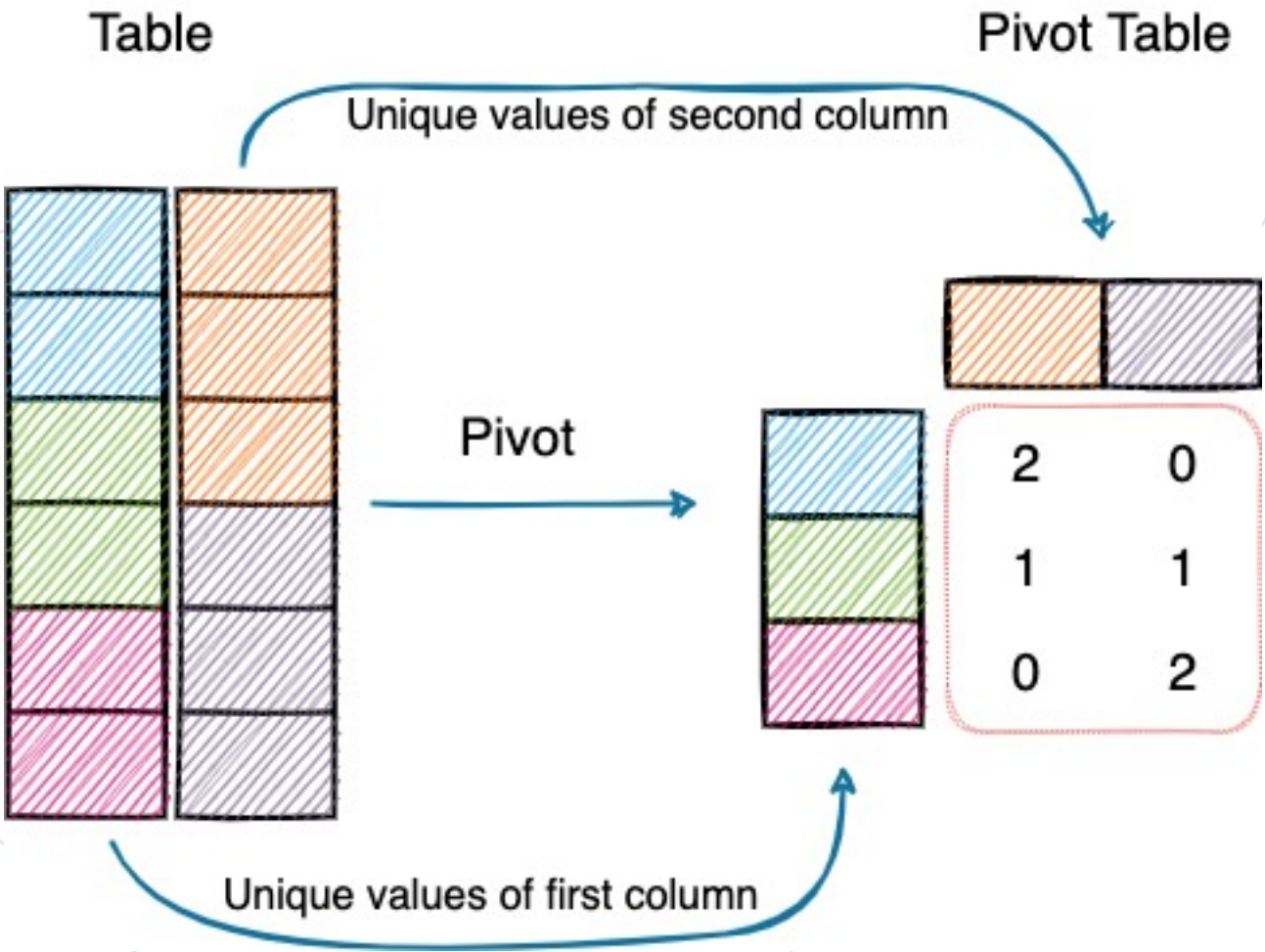
## Grouping





# Some important data aggregation operations

## Pivot tables



- ✓ **Understand your data prior to using it** — having an idea of what the dataset is about and how values may vary is critical for ensuring that the models you develop and the conclusions you reach are solid!

Make change happen