

Data Science

Statistics

Data Analytics

Business Analytics

Business Intelligence

Data(base) Management

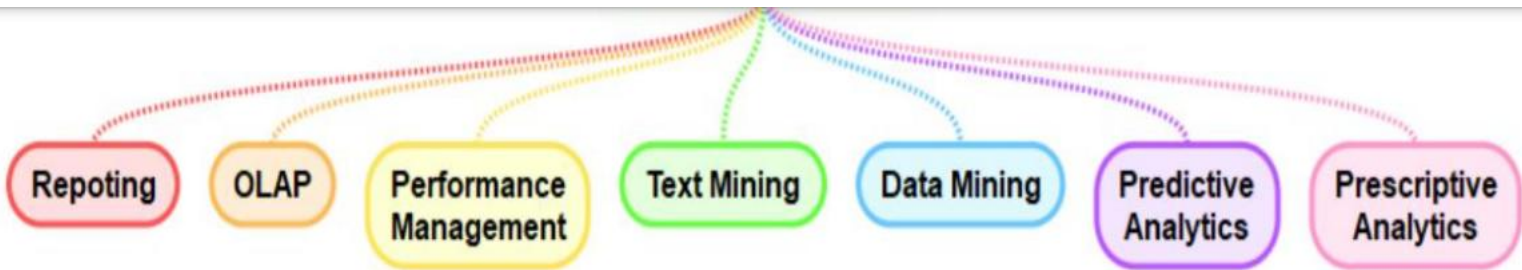
Visualization

Machine Learning

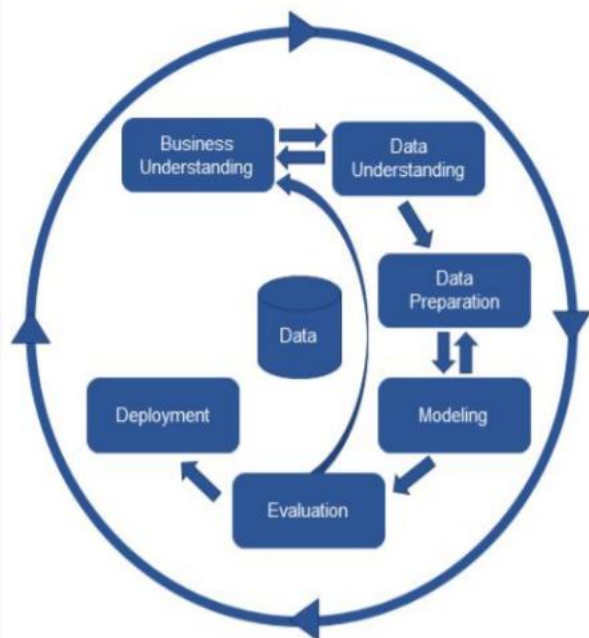
Data Mining

Artificial Intelligence

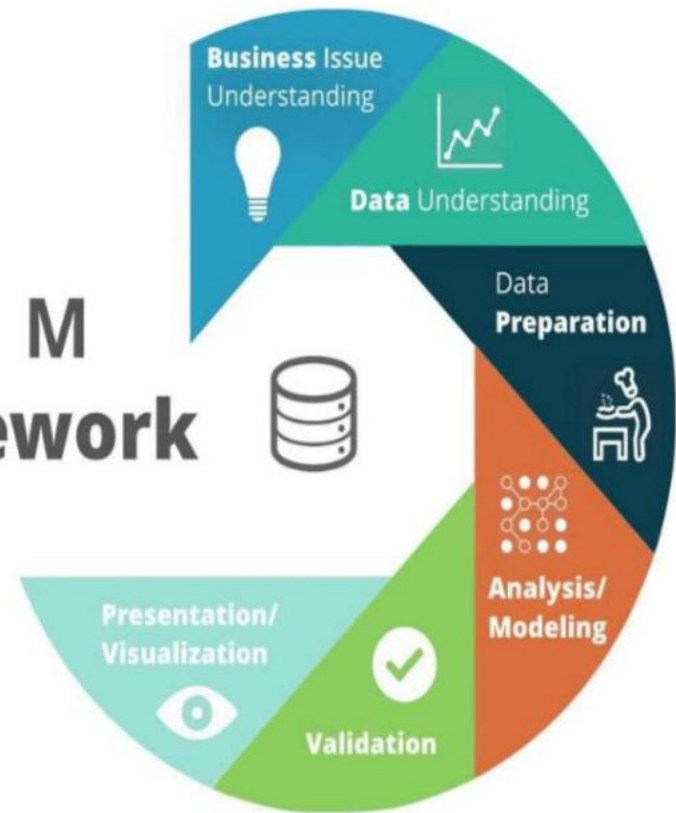
Predictive Modelling



CRISP

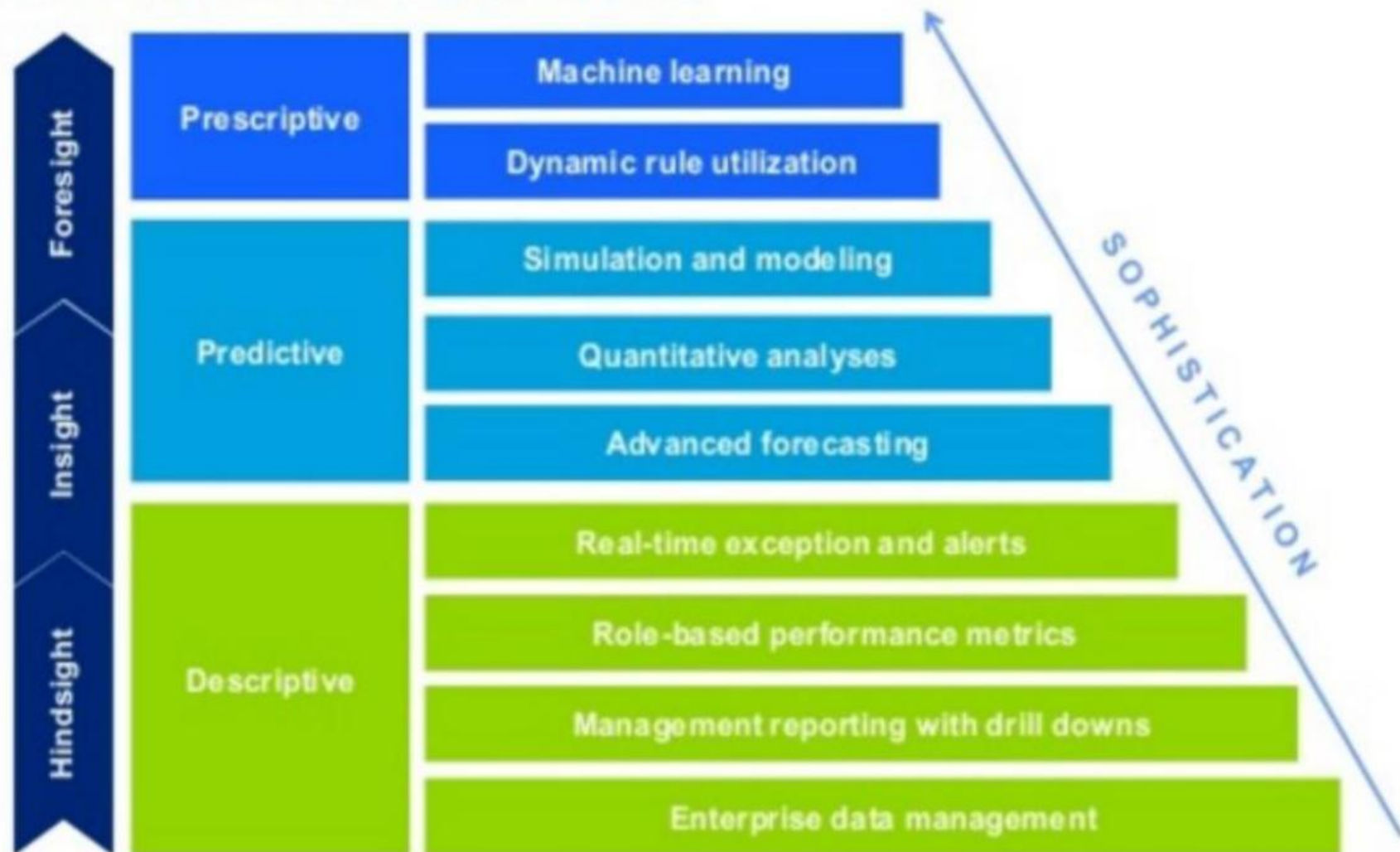


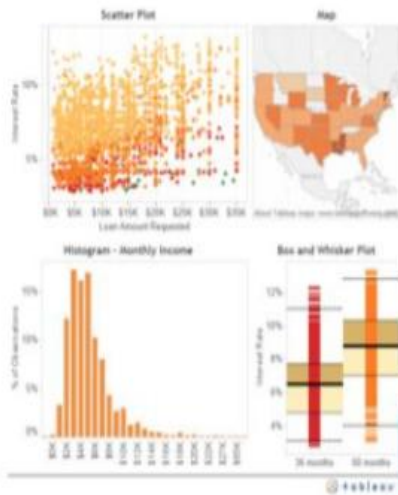
CRISP-DM
Framework



- cross-industry process for data mining.
- CRISP-DM methodology provides a structured approach to planning a data mining project.

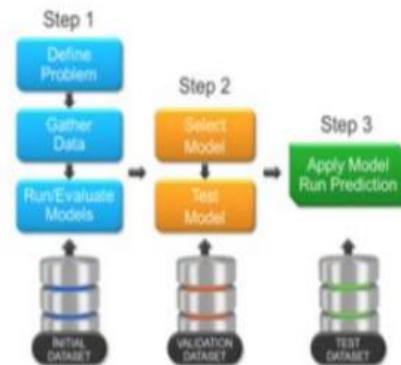
Analytics is the practice of deriving insights from data to make more effective decisions.





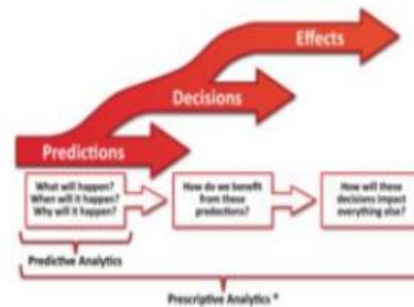
Exploratory analysis

- Use descriptive and/or diagnostic analytics to understand and characterize the data



Predictive analysis

- Extrapolate what may happen in the future based on the historical events in the data



Prescriptive analysis

- Decide on the actions based on business rules assisted with diagnostic results and predictive insights developed



Optimization

- Obtain the optimal solution based on the historical behavior, extrapolated pattern for the future and business rules in place

DOCA FRAMEWORK

To Properly Apply Statistics You Should Follow A Framework To Minimize Possible Errors

In this course, we will use **DCOVA**

- **Define** the data you want to study in order to solve a problem or meet an objective
- **Collect** the data from appropriate sources
- **Organize** the data collected by developing tables
- **Visualize** the data by developing charts
- **Analyze** the data collected to reach conclusions and present results

Using The DCOVA Framework Helps You To Apply Statistics To:

- Summarize & visualize business data
- Reach conclusions from those data
- Make reliable predictions about business activities
- Improve business processes