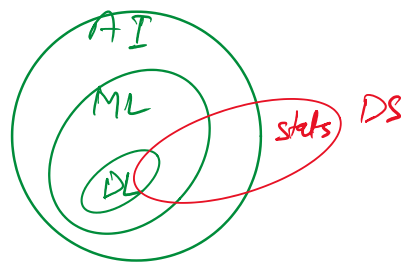
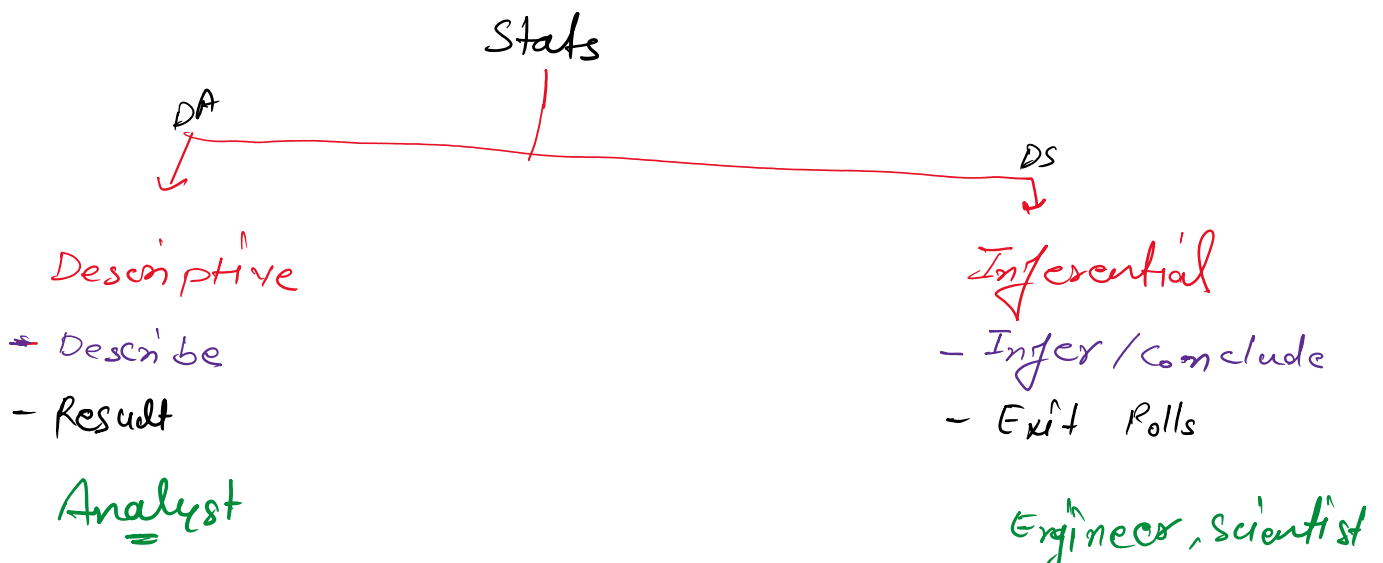


DS → study of data




DA → what has happened?
What is happening?

DS → what could possibly happen?
extends what could be done?




Analyst

Engineer, Scientist

- Statistics
 - Tools / Languages
 - Communication
- 


Road map

DS with AI

- Python Programming
 - Python for data Analysis
 - SQL
 - Power BI + Excel
 - Statistics (Advanced)
 - Machine Learning
 - Deep Learning
 - Natural Language Processing
 - Gen AI
 - AI Workflows
 - Agent's AI
- 

Python → High level programming language

→ Interpreted language

↳ translator 

- Compiler (all at once)
- Interpreter (line by line)

→ multipurpose language

→ Multipurpose language

└─ Web Development
└─ Data Science

→ Open source

→ Platform Independent

→ Vast collection of libraries

→ Paradigm : Procedural, Functional, OOP

Python Environment └─ Local : VS code, Anaconda
└─ cloud : Google Colab, Kaggle

Anaconda → IDE (Integrated Development Environment)

└─ Jupyter Notebook

