

2000 | 2001 | 2012

UI / UX

HTML  
CSS  
JavaScript  
AJAX  
jQuery  
React  
angular  
bootstrap

Backend

Python  
Java  
JavaScript

Database

DB  
(RDBMS)

Data

Data

Data engineer

Big data

Hadoop (HDFS)  
HIVE  
Impala  
Kafka  
Flink  
MongoDB  
Cassandra  
Spark  
Airflow  
AWS / Azure / GCP

ETL

Data

Pipelining

Collected

Python

(Programming language)

Job role

Data eng.  
data architect

Data analysis

Dashboarding

Tableau

Power BI

Qlikview

Excel

Stats

SQL

Python

Job role

= data analysis.  
Business analysis

Data Science

ML

Stats

DL

CV

NLP

RL

Python

(MLOps / AIOps)

(DevOps)

CT / CD

Job role

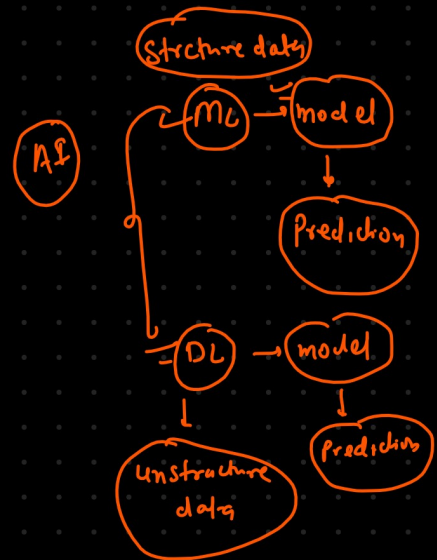
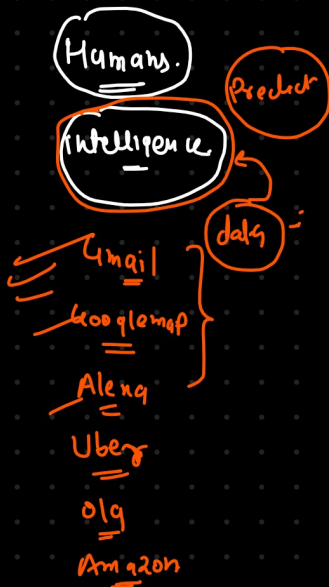
Data Scientist

Machine Learning Engineer

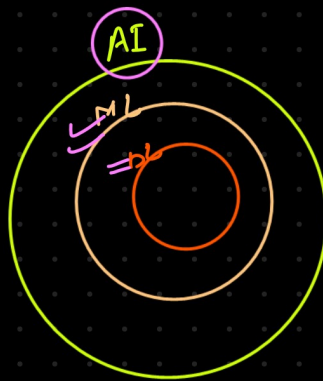
Computer Vision eng  
NLP eng.

- ① Who is a DE?
- ② Who is DA?
- ③ What all tools we are using for DA?
- ④ What is data science? ←
- ⑤ What is a component of DS?
- ⇒ ⑥ MLOps / AIOps (Project)
- ⑦ What is AI?

DE + DA + DS  
= Python (mandatory)  
DSA  
0-5

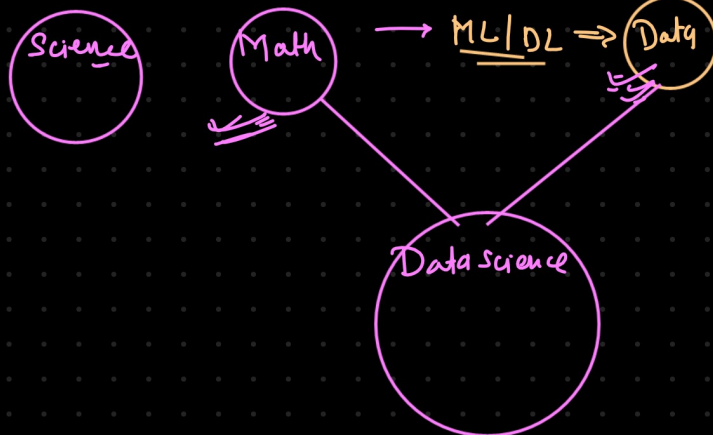


- ① DE ✓
- ② Big data ✓
- ③ DA ✓
- ④ ML ✓
- ⑤ AI ✓
- ⑥ DL ✓
- ⑦ Data science ✓



AI → Super set  
ML → subset of AI  
DL → subset of ML

Data science



Manipulating data with math or creating a predictive model with math.

- ① Data.
  - ② Neuro-Lab (Jupyter-Lab) (hello-world)
  - ③ get-hyb. account.
  - ④ Python-intro
- =

= Python → programming

Data