

* Difference between data science, data Analytics

(1) Data science:

① In this domain we focus on model building & forecasting, detection, synchronization.

for eg:-

② We all use gmail. It generates text automatically. That means it uses generating model. It is actually application of data science. It is (gmail) is weather text model.

③ eg:- weather forecasting app it is data science application where we do prediction & forecasting of weather.

④ Google assistance:- converts text to speech and again speech to text is also a data science model, Deep learning based model or NLP model.

⑤ Netflix, amazon, ola: in netflix & amazon we got recommendation of same content that we see frequently. in ola if we select destination from source it will show us prices automatically. This is also a model of data science.

⑥ facial detection system in our mobile phone.

To be data scientist what we have to learn:

data science:

- (1) language - python
- (2) mathematics - mean, median, mode, S.D., statistics.
- (3) Machine learning (ML) - Algo.
- (4) ML Projects.
 - after this we can apply for ML engineer or freelancing.
websites: freelancer.com
- (5) Prepare resume, or profile for freelancing.
- (6) Prepare for interview or freelancing job.
For freelancing job - strong portfolio
 - build strong professional network.
 - upload projects on linkedin.
- (7) To build strong linkedin profile: - regular updates, writing articles
- (8) Strong github profile.
- (9) Strong english communication.
- (10) Confidence.
- (11) DL
- (12) Computer Vision
- (13) NLP - (Natural Language Processing)

Data Analytics : (Focus on reporting & dashboarding)

→ Python

→ Statistics

→ Dashboarding tool - like PowerBI, Tableau.

→ Advanced exec.

→ SQL (imp)

→ Ultimate goal should be - Projects.

Big data : (Data Engineering)

→ Hadoop

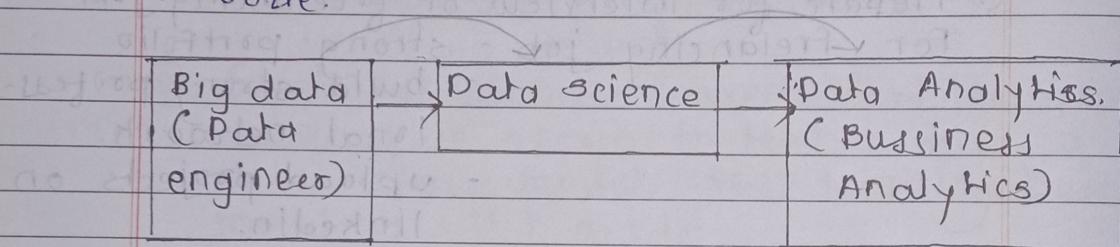
→ Hive

→ Hbase

→ Kafka

→ Spark

→ oozie



* AI : (Artificial Intelligence)

AI is a final product. (whole project)

The outcome of ML, DL, NLP all of

these things is AI.
eg: chatGPT, sophiya, etc.

AI is a artificial tool which can be make
create, prediction, etc. by ourself. It gives
suggestions.

* We are living in world of augmented AI
where machine & human come together work
smartly.