ROLES IN DATA SCIENCE Science is a Metaskill, means we can't poin

Data Science is a Metaskill, means we can't point at one skill & say - "That is Data Science!"

Data Science is a broad field that larings up wide variety of roles.

Some Broad Roles are 3-

- Traditional Data Scientist

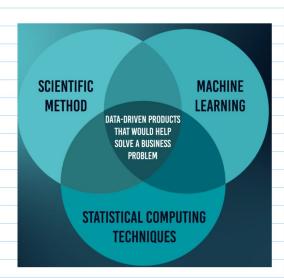
You should be able to :-

- Source the data
- Understand & Explore
- Perform Feature Engineering
- Perform Statistical Analysis
- Build Quantitative Modules
- Automate Solutions
- Communicate Results to Stakeholders!
- Software Engineer Competencies (Ability to Automate & Scale)

Data Analyst

A data Analyst explores data, analyses data & pulls out insights about behaviours.

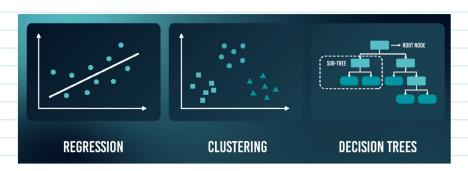
Data Analyst overlap with Data Scientist.



You'll Perform 3-

- Data Cleaning
- Data Modelling
- Exploratory Analyses
- Retrosportive & Prospective Statistical Judges,
- Dota-Dieven Tujghts.

You'll use ?



If you are completely new, you way consider the Data Analyst role as a gateway into Data Science.

Data Scientist -> Discovers (use experiment to understand)

Sata Inalyst -> Analyses (use Post date)

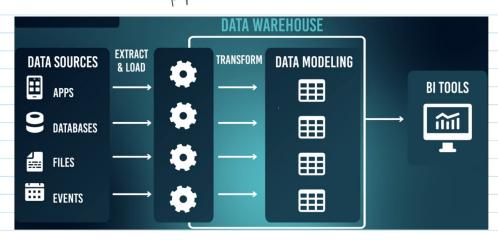
- Machine Learning Engineer

- · Definitely a Software Engineering Position. Person in this roles
 tables a model & puts it into production.
- · They help the company -> Automate, Scale, Make Portable & Test the Prototype.

- . They work with Data Scientists to refactor the Prototype Models.
- · Large portion of your time is gonna be locally software librories, automating & testing prohippes that Data Scientist worked up.
- · Not having client focing resportibities.
- · You make sure, wodel does not break in Production.

- Data Engineer

- · Gets Date Ready for Date Science team.
- · DE creates a pipeline...



- · DE will be resposible for fully automated Feature Engineering.
- · Focus on data infrastructure work, so that DS team can be secrepful.
- · No dieut facing responsibilities.
- · You are making sure that the Data gots to where it needs to be in
- · 2 ome Roles with Data Engineer....



- Research Scientist

- · Creates new Machine Learning Agorithus.
- · More of a research / Academic role.
- · Far less applied than a typical DI vole.
- · This role leverage Scientific welleds to create new knowledge for company.
- · More focused on the WKY,
- · PhD or research based masters are preferred.

- Data Product Manager

- · Someone who uses Machine Learning modules to improve their effectiveness in Traditional Product Management Role.
- · It's a highly data intensive role, so much that it is also categorized as a role within the data preferrious.
- · Manages all ospects of development & laurch for company's product.
- · Ideation -> Research -> Design -> Development

Lauch - Performance Evoluation

- · They have more technical skills & goes deeper in Data Science & fredictive tradytics to getide & govern all of the docisions around freduct.
- · Product Tob + Data Science capabilities to Idicar botter bécéries outromes.

Data Science field is over evolving & there's now for everyone. A few wore roles which can be added to the list are 3 - MLOPS, Data Garator, AI ETPHOST.

ML Architect etc...