Hiring with Managers. 29 05 2022 - Numpy - Pandas — EDA - Inferential Stats - Hypothesis Testing - Introduced to DS - Various Types of Data Analysis - Various Caveer path in Analytics-ML/DL/NLA - Skills for Dota Scientist - Interview concepts & problem solving

Data Science

Combin of Multiple disciplines

Stats DA ML

analyze

datal

extractinsights &
build models.

Predictive Analytics! What will happen next? Pattern discoveries: find patterns/hidden into Freight Mant! Maersk · discover both Realtime Data Scientist'. McDonalds: Revenue decrease by 25% this quarter. MECE! Matually Exclusive - Collectively Exhaustive - List down prob. street who ambiguity.
- Options - Time like fashion Options must not overlap (Matually exclusive)

& No option is missed out (collectively exhaustive)

Pb. Stmat: My restaurant is not profitable Redure Cost Increase Revenue Reduce Reduce Roduce Salam Increase# Increase material rental cast exterior muna cost of orders Pro:(18 Fire ShAL to a Change Better redundant verdor storage less Shift to a Marketing priæg workers facilities promotion mall to get neighborhood more foot wastage Charge traffic cuisines theme - Prob. Situation! One of your team members is not delivering their work on time I you are worried that as a result the project will not be completed before deadline.

Hissyl 13 very I gnare the issue. Solve it internally. drastic, raise it with Chat with team Mynt H will probably be mate to fixed on its own. understand what's horease your Increase preductivity of others in teanmates productivity team to compensate Offer het everyone Rebalance-the offer help tutoring to chip in & workload with personal do a bit professional to align problem more while with problems arlas your teamar hi's is going through speakly. a tough period Personnel Change Increase productivity of conserved employee Change this person Feedback. Personnel leave Recommend to some other popled sessions/ as herrstary that helike might Traning to get Disciplinary be more interested in Get someone else programs persone 4, Epinrow *issues* for the current project hecded sorted out.

| Pythar State | n IR |
|-----------------|---------|
| Math | ematics |
| DB | — S a |
| | |
| Various | Types |
| | |
| Descr | ptive |
| | 1 |

Various Types of Data Analysis:

1. Descriptive Analysis! looking into raw data

L creating data summaris

to inform abt business

performance.

2. Diagnostics Analytics! involves investigating root cause behind any change in key business metac.

3. Inferential Analytic: covers analyzing a stimple to

mk predicts around population

eg: p, Confidence (ntowals, CLT, TypeI

LI errors.

US Census Bereat: P 70.10

P: - statistical measurement. used to validate a hypothesis against observed data. - lawer progreter statistical significance of obsence difference.

-p < 0.05 is generally considered statistically significant. 4. Predictive Analytics! We mk predictions abt feture using past data. 5. Prescriptive Analytics: Recommendation engines
— recontrol to customers.

Data Wrangling (1) Aggregations 2) Fittering (3) Rolling average (F) Ranking (SQL) Various Companies -Facebook! 2-3 quistion on tech scrien I coding round Coding screening round (through a 3vd party website) eg: Hacker rank. Uber!

I full loop round

| Airbnb! 1 (oding round |
|--|
| live coding cace study full loop |
| Twitter! Take-home assignment |
| 1 coding screening round |
| |
| I full boground. |
| |
| EDA: |
| |
| 1. How do you detect Outliers in |
| your data? |
| • |
| 2- How do you replace missing values in a dataset? |
| a dataset? |