Exploratory Data Analysis

What is EDA?

& Unvestigation

Description

BExplaination

EDA Understandig Challenges to Success ful EDA?

Data Quilit

Process / Westrod 26. H-testif @ Organizational Challeyes Business / Strateric Challyes.

Data Quality @ Missip > NULL & Unknow Values Representate / Non R. Saugh. (Values (value enty)

4

Explanation Issues © Cause → Effect Analysis

2 E > C; C → E

H → E; H → C

E assar. C 4 & Hypotresie teste (an Bad Data?)

Organizational Challenges
Access. Speed J Beautocray > change Process Esq. Data collection Bownership, Gate Keepy, Honday Politics Status, Duplication, unclear Responsible B Governance Sheperl Internal Ethics NB. & HIPPO - "Senior" Opinions [Refute]

Business Challenjes La Défine question (ROI @ Time Wailabo Estaff & "Human hesorces Dratego Value?

EDA Workflow
23 assumif most challenges solved
universal @ Data Structure Distributions All Cols @ Correlations

Filters + Distributions] re. impostant tempostant Rayers

Formulation] 2> 1e. Factre analys

Cont.

Domain - Syecific

Formula (Eg. BMI = W)

Redictire Modelly

Ey. YEXPEC. = XBMi+---

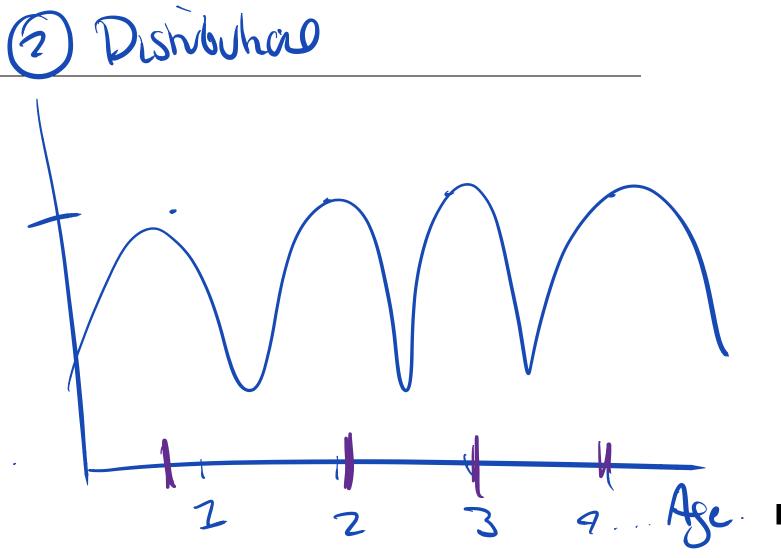
& Specials of Vzsals Eg. Marx.

Atim: Understand le Data,

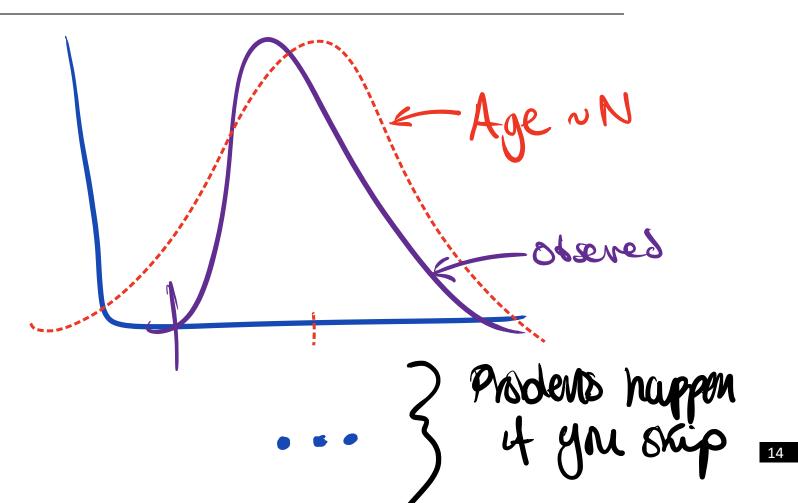
Kxample : Education School 7 Yen

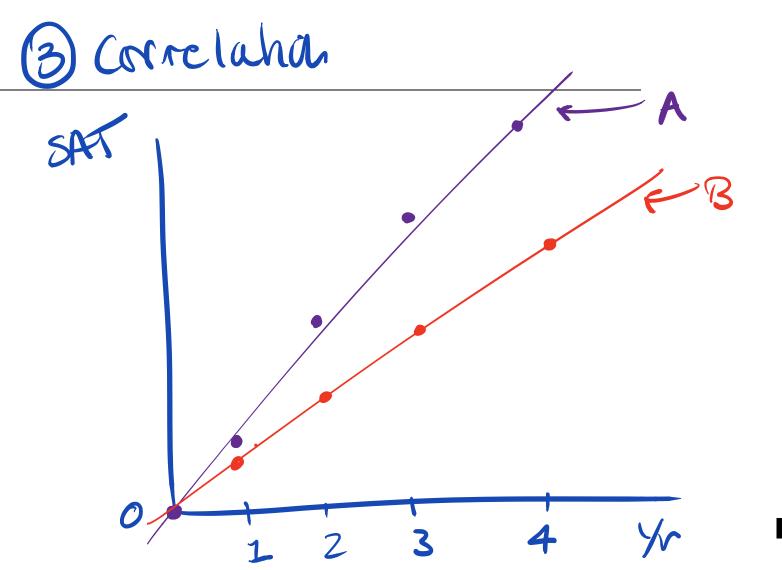
Data 2) (1) Shucture Student ID

Yen Mean SAT





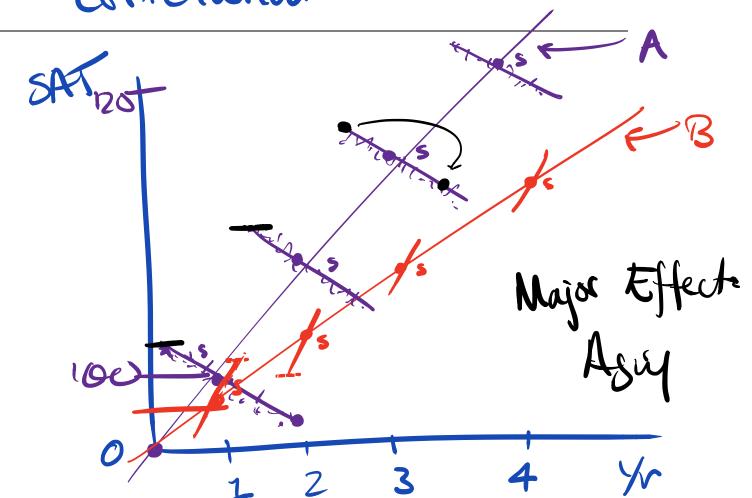




- Explair?

IS School A >
School B ?

Correland



Problem Causel Andysis

Age -> Score. School Score O Parety a ?> 5 75 (9+2+3)

Sumpsons Poradox though every subgroup A every subgraps.

