Stats

→ What is Stats → Stats is science which gives you a power to present, collect, analyze, interpreat the data with an exact insights out of the data.

Core objective :- ① you can summerize or analize huge amount of data.

② It will give you a power to understand relation between data.

③ It gives you a power to make decision.

Use case :-

EDA →

Feature selection → x_1 x_2 x_3 x_3 .... x_n

model Evaluation →

Stats:

① Descriptive stats :- mean, median, mode, SD, Variances Idist., P.

② Inferential Stats. :- Hypothesis testing, confidence interval, Regression analysis, t-test, z-test, ANOVA

Population vs Sample
⮡ Simple Random Sampling
→ Stratified Sampling
→ cluster Sampling
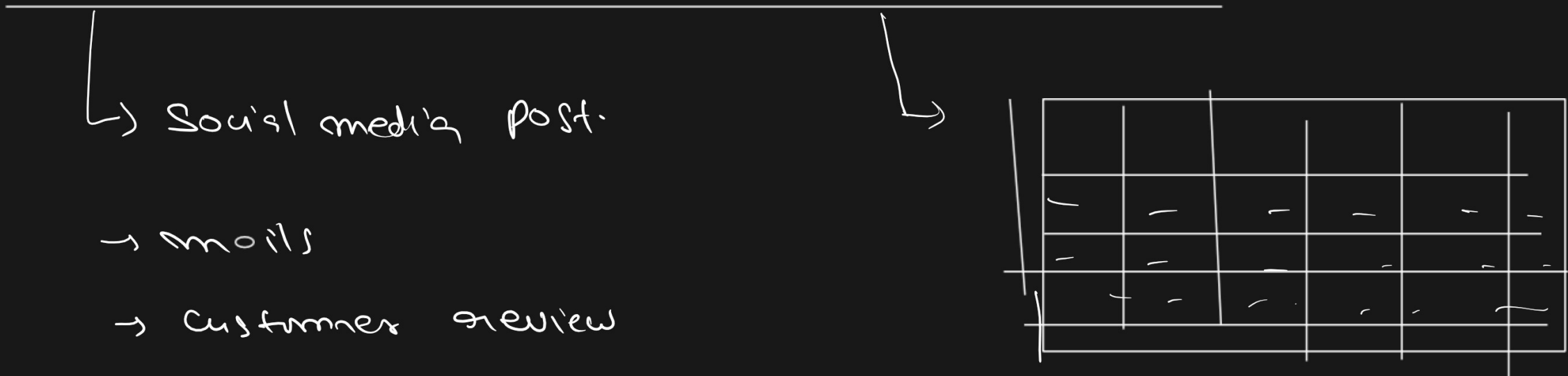→ Systematic Sampling

unstructured data vs structured data

↳ Social media post.

→ mails

→ customer review

→ Audio, video, Gifs,