Sample Space

- Chance Outcome > They generally occur in a planned study or scientific investigan They can be presented or interpreted

- Numerical data -> count ou measure

- Catigoerical data - classified acc. to some ceriterion.

- Observear → any recent of info. either categorical / numerical.

- Experiment - Any perocess that generates data. The experiment has some set of outcomes. Dultomis defends on chance, I can't be predicted with certainity.

Be it any experiment, the outcome is always subject to uncertainity.

- Sample space - set of all possible outcomes of a statistical experiment. It is represented as S.

S = {H, T}

set of all outcomes, of an expoundent of tensing a coin.

- True drog. -> Useful method to list all the clements of a sample space.

- If the sample space has so no. of outcomes, it is better to describe them as a statement on each.

Eg. $S = \{x \mid x \text{ is a city with } \}$

- Sampling Plan = A statistical procedure that determines whether or not a 'set' of item is satisfactory. Eq. of such plan could be, to continue until you have k elements.