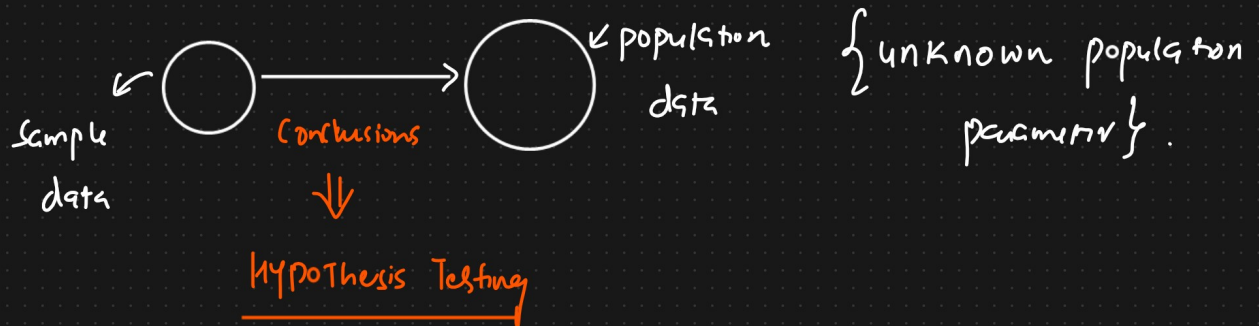


# A Hypothesis And Hypothesis Testing Mechanism

Inferential Stats : Conclusion or Inferences



## Hypothesis Testing Mechanism

Person Crime → Court

① Null Hypothesis ( $H_0$ ) = The Person is not guilty

- The assumption you are beginning with

② Alternate Hypothesis ( $H_1$ ) = The Person is guilty.

- Opposite of Null Hypothesis

{ p value } .

③ Experiments → Proof collect (DNA Test, Finger Print) ⇒ Statistical Analysis

④ Accept the Null Hypothesis or Reject the Null Hypothesis

Eg: Colleges at District A states its <sup>average</sup> passed percentage of Students are 85%. A new college opened in the district and it was found that a sample of student 100 have a pass percentage of 90% with a standard deviation of 4%.

Does this school have a different passed percentage.

Ans) Null Hypothesis  $H_0 = \mu = 85\%$

Alternate Hypothesis  $H_1 = \mu \neq 85\%$