

Court Room

Accused - murder

Hypothesis:-

{ - ① Lawyer of victim - The person is guilty

[② Accused - I am innocent

③ Judge - The person is innocent

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Case-1:

The person has done the murder

Judge: The person is innocent.

(So, it is your responsibility to prove that he/she is guilty)

Result: The person could not be proven guilty ∴ hence

he/she is released by the court.

Case-3

Reality: The person is innocent

Judge's Hypothesis: The person is guilty
(It is responsibility of the person to prove that he/she is innocent)

Result: It is concluded that the person is guilty.

Null Hypothesis = H_0 : The person is innocent

Alternate Hypothesis = H_a : The person is guilty