## Hypothesis Testing

Doing an statistical assumption and checking whether the assumption is correct or not.

## Repression based problems

Feature: any type (numerical, categorical, ordinal)

label: numerical.

throthesis Testing

50\_starAups.cov

features: RED, adm, mark, state

label: protit

Hyou want to have a good model to deploy then these must exists linear selectionship between feature & label.

Hypothesis Test: R&D spend } \_ if they have Profit linear reliming

(null hypo) => flo - 0 wrong

(altook hypo) => fl, - 1 correct

Hypothesis Test: R&D Spend } \_ if they have Profit linear relaship Chull hypo) to the - o wrong ( attrate hyp) =>+1, - 1 corect correlation test Reamson's corr

Spearmonn corr

Scipy

Scipy

Schi-squape Test Consolation latel-col" latel-001 monotonic relationship Linear relationship x Simple UR x - polynomial \* multiple UR