



Ingrential Statisticy o
0
Not only understand but also
Not only understand but also Styles gram it True The False Assumption L> Hypothesis.
U O II False
Assumption
L> Hypothesis.
Hypothesis Teating > Will work or not > Two situalitys
yes No.
dross es the land after the
Inger from the Sample about Population
Popular belief } => Null hypothesis >> Ho(Null) Status Our
etale Our
5 100 nd
Ex: For vaccine
Ho : vacsine has no effect on clissose.
cine is
Mas registre Popular helier lotates Our No
<b>V</b>
Whatever you are claiming or testing becomes
Alternate hypothesis Ha
D-C-D Approch
1 S Calculate Decido
Degine Test whether to
hypothers studiettes accept B
reju d Ho

Ho => Statement about the population parameter which one clericle to prove (OR) diplove. Ex of hypothesis Ho => Average height of Adult male is 6 part Ha => Average height of Adult male Great them 6 jeet Thee ways of defining hypothesis Null (Ho) Alterate (Ma) Nall will always Contain equal to (=) sigm Ho = M Ha + M che Ho < M tile Jest Ha<M

Level og Significance Type I be Type 11 Esson. Judgeneut hypotheris : Ha & Innoant If Scriple is not Representing the populations.
Then Statistics will give a using Result. Population Condition Ho True Ito Falge Conclusion Accept (40) (cred Pecifican Type II Energy Reject (4.) Type I Err (x) (oberect Down Type I East (2) & Rejecting Ho when it is Trop

Type II East (3) & Accepting Ho when it is gade.

False regarded = Level y Significance = Type I exist = Type II exist

Til known. chan (chan Z test T- Test VS Bactially T-test is used as if we know them we will also know mean. J=S.P9 Population So in Total When we do not know or we is used standard deviction of sample N=30 is (orsidered es a lorge sample T-Test : One & Two Sample. doglas of freedom > Amount of Supremotions

t = x-les the decision

S/Jn

Con los to the

S/Jn

Jive person recede to sit we can find your only appears

one has to the decisions

Probee -> PLANR
Probee -> Probee -> Reject Newly One sample > Whom there is only one voicible i.e. Ho & M = 2.5 Ho & M + 2.5 two sample -> When there is two weights in i.e. No : Ma = Mb Ma-Mb=25 Independent Mes math Claren and (nothed sample)
The terms to the sample reduction that they was reduction that they was programe.

Arroux of Aralysis of vorionce Wen there are more from 2 voriable in a hypothesis ten we will we Arrow. Eg: Miliage y 3 Broms.
M1 M2 M3 Two teil test > M = M2 = M3 (M3 = M) Annova > hypothesis testing > more than 2 variables
(reas in hypothesis) Mo : MA = MB = Mc (Milecyl & 3 lean ob)

Ha : Not all man are (alloct ore egyal y the nan
is diffur) Wy ANNOR is called throlysis y varion of not Analysis of Mean, Sample 1 2 3 2) Robern vogion e

- · Calculating the Grand Means. · Calculating between volicince.
- we do F-test for this.

Esample:

M	ileage	9	3 hear	.J <sub>1</sub> .	
	A			ß	
Mecun	36			38	U <sub>0</sub>
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1	32			1	
2	36			1	1
3	45				
4	38			1	ı
5	۱ م کا ک				
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10	,				





