Statistical Tests 4 Parametric - Distribution, statistic Lo Non-rarametric
Lo Does not belong to any interretable distribution Both will in a way employ phralues over any bind distribution to come up with results.

Parametric Sample size 1) > z-test (population variance is known) t-test - Has higher (broader) probs at tail -s width & as ver is not surely known Samples T t-test or data distribution based. lim -> Z-test 311:21dot8 La Turo data - distribution desedi Paired > Same data set (var > same)

Ly Two different models (with Or without I-feature) Ls Non-Paired (Welsch) s Change in prodiction mean. tast of the series (scipt to test relay b) Needl - DUA - UB = O Do dopen sour ?

P-value so besume distribution, hypothesize a statistic for that distribution Statistic - Mean of height. - do Observation, → Por P value tells lavaluates. the probability of that statistic distribution is extrame than that a Assumed hat dist Now we introduce sobserved hti

threshold = &= 5%

Hypothossed to

Hypothossed to

when it belongs to some of headist

TYPE 2 Is ale say or belong to this dist when it is from other 7 de want this proal to be high as we wish to be right about our distribution + statistic " depends on threshold this best bution by selection choise Values of height Power of the test = stree negative & False in regulative au Scanned with CamScanner

-False Positive -> TYPEI error Cove the Crue Is you selected a the Non Megabive - Always contributed by probability of other class + Predicet + , Actual -ve = False Positive o Valora Manager as "Gogginble, offblight, sucose of Hower of test - True Positive False Negative GPE Grégect HolHA is trues 13-16 Blue sprace # Drexection 2 -> Beyonal threshold Threshold give a value of height (a) Is Use a Un to deboemine pecobalitify of this zono Mr John Beam moon - of root

I unpaired to best in the men posted std der Steps - Calculate corresponding difference.
Le stairs + #, udiff. stadiffy
the corresponding difference.

The corresponding difference.

The corresponding difference. distributions, after hading wariance of the Assumptions - lycoups are independent passign Experiment george voriables to conteal a

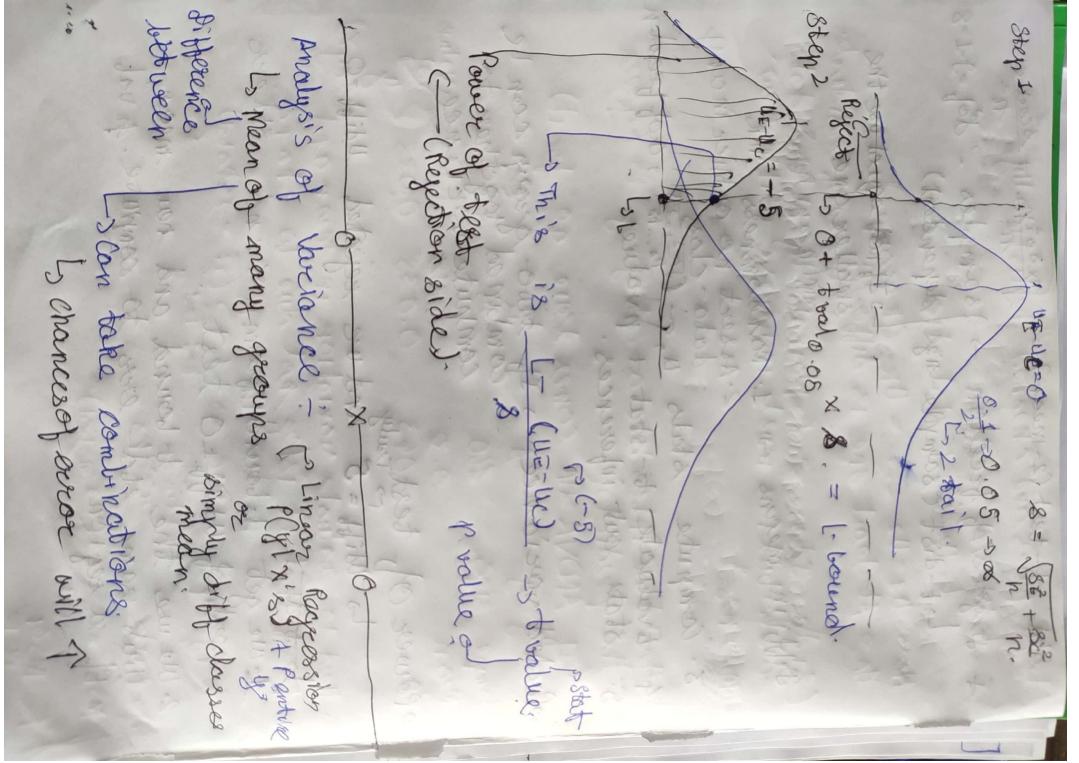
Carperiment georges

(Rey - acon) - O Ho Jabata within a

Carperiment georges Back to parked T-tost to Fallows & distribution UA-UB - H + Pseudo-Noumal dist. Control growns. away from mean ->0 to No outliers d Shulfter

2) Power of test my
Lo UdiH = 8 and we rejected soled variance - If two 2. We use the towned and new mean, but same std-ers to compute he val Dily in means 1. The get 1. Levend from & and how host of ud. H. a best ind how Degree of freedon - Isamples Lot-dist (sample-size dependent) of sa region State out inferences. Compute t- test (2-mean) = stabs 1. Randomness 2- Assect no-outsive many 68500000 U, or (502+22) datacompute vous off not equal use the smaller one. mint heaps hous Jon Scap , dof freedon. O- Aliph 8 consuct Mh day = 9-1-8 8th exe

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Most & S Has At least one is different inversed sessatuals-Corde- Idea = Explainability of the data-disbet butsion must improve with new I need to evaluate variation in mean and any significant that it is too have to chance. Is should me introduce a category to eagrees moons 1 to purposes are checked holistically; Sample size. 88 mean TI MSG Cathegory the predictor a groups GANOVA test CIL ANOVA-SHA is Usos (as - a Grobert) 2 by Bornes -5 M8Gy => I S (at -saybaval) = F statistic 0.063 160 comes true go for its 208 0.038 0.318 0-302 \ Values 0.038 when it was mean,

