## Fire Day Of Information Statistics

Mous 1001 I for normatiff. @ Somple Size 7.30 2) some should be normany distributed. population standard Devillion must be given to Us. @ Sample Showed be randowny Collected SM 38: min Z= SM-PM, PSD IVI Suppose a company is enabled the Impact of a new freezeway of its employed before implementing the new training program. The average productivity the new training program. The average productivity Problems

was 50 units per day with a known pop Standard deviction of 5 units. After imprementing the training program, the company meeting the brognering of a bow zowbie of 30 sublakes. The Sample. Empufeed have an average productivity 53 units perday. The umpay wants to know If the new training program has significantly improved the the productivity of the employee.

PM = 50 with. PSD = 5 onits 99 = 30 (n) 8M = 53 anith.

Moter :- S- feet most mith wat 7: prosil

- Iwant much or ub Com Statemodell. State weightestate import

Sample\_data = 1184 ( np. random. randomint (50,59) Ztest Z=<u>Z</u>-JI

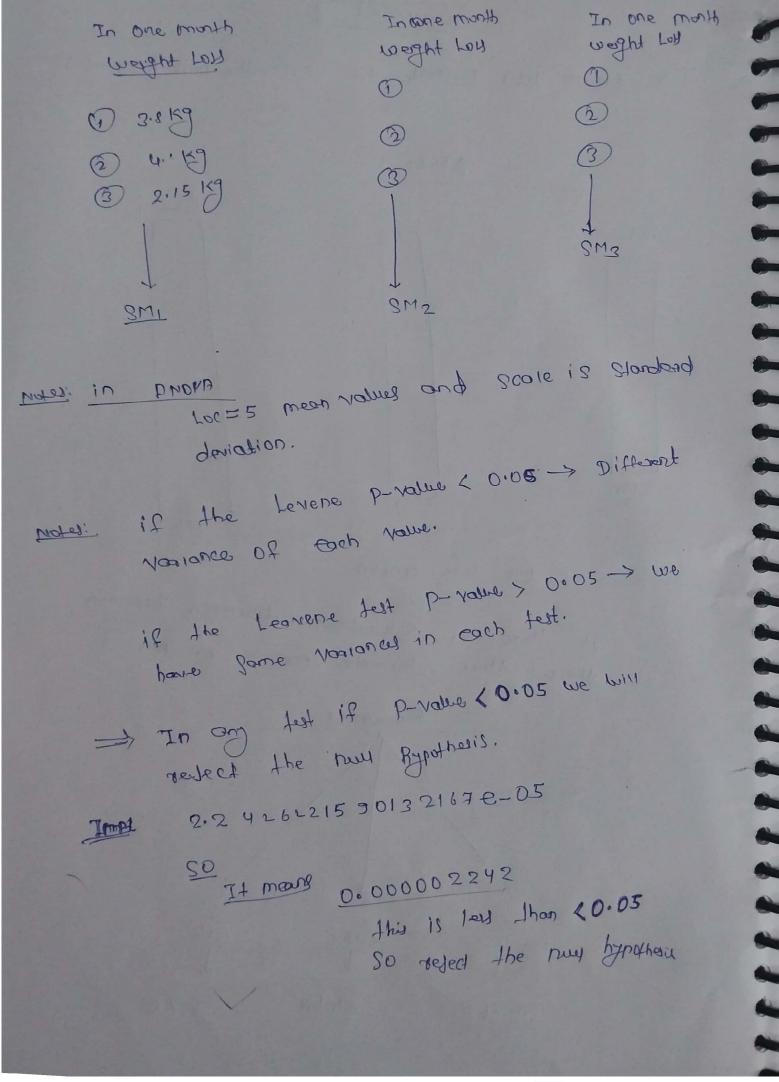
Size = 30))

the Z vouse of population mean is always Ze10 (0)

Z-Score = 5c-21. -53 5 V 30 5/5.477225 575) Note: - P<0.05 -> Not normany distributed. > according to shapiro PZ 0.05 -> normany distributed. Since we one have morning with two dataset Variance Mariance 50 those is Levene test for checking the Vosion ce Levere Test P< 0.05 -> remonce not some PZ 0.05 -> Vouiance one Same > Cherked the Arimany distributed normality

6. hours saled Weller

1:54:82 ANOVA uses F- Test to Check the new hypothesis. ANONA Giz G12 Gu 311 SM3 anova 15 there a Significant difference between there there are sometiment or not. one way Regionsher 5, DietC DietB Died A



It bostom levenes for the Ednar horional. lavere-Stat, levere-P-vallus = levere (diet-A-1018, diel-B-1089, diel-C-1089) print ( levere - P-valle) Test > must package > PRT Que Chiq test Time Series -> Mondam forest > 0000 COT CT ; common table expression, view