

Probability Mock-Test

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Our null Hypothesis states that each company produces same quality products.

But, we claim that atleast one of the company is producing different quality product.

$$H_0: \mu_1 = \mu_2 = \mu_3 = \mu_4$$

H_a : atleast one company produces different quality product.

② The statistical test we will use in this case is ANOVA because.

we are testing mean of more than 2 companies, the level of significance for this test will be 0.05 ($\alpha = 0.05$), we have selected

10 random samples from each company for the test, so we can make sure each product is different and is selected from different batch.

③ After making sure each product was selected randomly then we select the products, from each company and we perform the test.

④ The Test is done in excel Sheet provided.

⑤ The final decision after successfully performing the test was that each company was not producing same quality product, Hence we can reject the Null Hypothesis.