

Testing of Hypothesis

Lixample - 3

Consider This example (ignore

we one given in slider)

Example (3) no dition



A random sample of 40 items produced by a company A have a mean life time of 647 hours with S.D 27 hours. While a sample of 40 items by company B has a mean life time of 638 hours with S.D of 31 hours.

Does this substantiate the claim of the company A that their items are superior to those produced by company Bin same as those produced by company Bin terms to these mean life

Example (3) Solution.



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10 M1= 12



innovate

achieve

lead

$$\sqrt{\frac{\sigma_1^2}{\gamma_1} + \frac{\sigma_2^2}{\sigma_2}}$$

$$-1.96$$
 (647-638)-0

$$\int \frac{(27)^2}{40} + \frac{(31)^2}{40}$$





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1è 12

Solution. lead 1 Region of (647-638)-0 Accept alternale Hypothesis



Thanks