



Uncovering Code Coverage

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We need to talk about this!





The Code Coverage Pitfall

两个正态总体: $X \sim N(\mu, \sigma^2)$
 $H_1: \mu_1 - \mu_2 \neq m$

③ $\mu_1 - \mu_2$ $H_0: \mu_1 - \mu_2 = m$

1) σ_1^2, σ_2^2 已知

$$\left| \frac{(\bar{X} - \bar{Y}) - m}{\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}} \right| \geq Z_{\frac{\alpha}{2}}$$

2) $\sigma_1^2 = \sigma_2^2$ 未知

$$\left| \frac{(\bar{X} - \bar{Y}) - m}{S_w \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}} \right| \geq t_{\frac{\alpha}{2}}(n_1 + n_2 - 2)$$

④ σ_1^2 / σ_2^2
 $H_0: \sigma_1^2 / \sigma_2^2 = \tau$

① $n=5$

$\frac{|\bar{X} - \mu|}{\sigma/\sqrt{n}} \geq Z_{\frac{\alpha}{2}}$

$\frac{|\bar{X} - \mu|}{\sigma/\sqrt{n}} \geq t_{\frac{\alpha}{2}}(n-1)$

$H_0: \sigma_1^2 = \sigma_2^2$

$\frac{S_1^2 / S_2^2}{\tau} \geq F_{\frac{\alpha}{2}}(n_1-1, n_2-1)$



A low-angle photograph of a modern, multi-story glass skyscraper. The building's facade is composed of a grid of windows, reflecting the sky and surrounding environment. At the top of the building, the 'TU Delft' logo is prominently displayed in large, blue, three-dimensional letters. The sky is a clear, pale blue. In the bottom left corner, the bare branches of a tree are visible.

TU Delft

The tools to succeed



We thought we were superheroes





















A scenic landscape at sunset. The sun is low on the horizon, casting a warm, golden glow over the scene. In the foreground, a dirt road with patches of snow or ice leads towards the horizon. To the left, there are tall, dry grasses. To the right, a hillside with bare trees rises. The sky is filled with soft, orange and yellow clouds.

Wisdom comes from
disillusionment.

George Santayana





RESERVED

Covered *does not* mean tested!

If changing tests is hard,
something smells!

VOLUME





You are not alone,
share how you've succeeded,
but also how you've failed.



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