

Hypothesis Testing *Difference in means test*

Claim to be tested...

Difference between the population mean height of Men and Women
Olympic athletes is 12.5 cm

Step 1 : Formulate Hypothesis

$$H_0: \mu_{\text{Men}} - \mu_{\text{Women}} = 12.5$$

$$H_A: \mu_{\text{Men}} - \mu_{\text{Women}} \neq 12.5$$

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Use the "data analysis" add-in within Excel.



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- **Equal variance** t-test for differences in means.
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