ESTIMATION STATS / PLOT

Two groups

This page does estimation statistics' counterpart to Student's t-test: the two-independent-groups mean difference plot. Find out more.

① Enter your data.

Each column of your data must correspond to one group of observations, and the first row must be names of the groups; see preloaded data for an example.

◯ Copy-paste ◯ Upload CSV

	A	B
10	44.82	57.82
11	69.43	80.08
12	71.78	76.47
13	80.59	87.72
14	83.94	86.73
15	79.43	84.36
16	67.34	76.94
17	37.85	47.27
18	61.86	78.37
19	70.84	79.00
20	84.97	88.34

② Effect Size.

Choose your effect size. Mouse-over each effect size for a short description, or click here.

- ◉ Mean difference
- ○ Median difference
- ○ Cohen's d
- ○ Hedges' g
- ○ Cliff's delta

③ Confidence interval width.

Choose an number between 50 and 99.9; the default is a 95% CI.

95

④ Swarmplot dot size.

Change the size (in points) of the swarmplot data points.

5

⑤ Effect size dot size.

Change the size (in points) of the effect size marker(s).

8

⑥ Main y-axis limits.

If left blank, the limits are auto-scaled.

lower limit

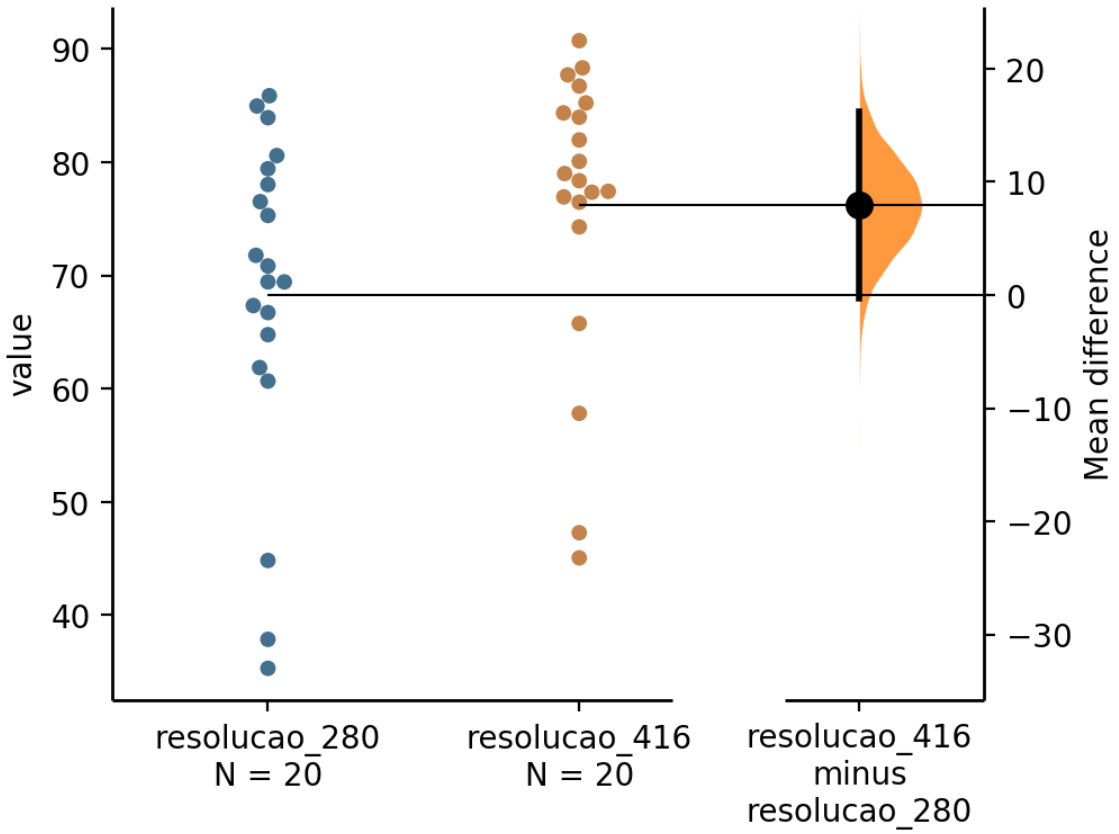
upper limit

⑦ Label for the main plot y-axis.

If left blank, defaults to "value".

y-axis label

⑧ Analyze and display your data.



Suggested Figure Legend:

The mean difference between resolucao_280 and resolucao_416 is shown in the above Gardner-Altman estimation plot. Both groups are plotted on the left axes; the mean difference is plotted on a floating axes on the right as a bootstrap sampling distribution. The mean difference is depicted as a dot; the 95% confidence interval is indicated by the ends of the vertical error bar.

Results:

The unpaired mean difference between resolucao_280 and resolucao_416 is 7.97 [95.0%CI -0.311, 16.2].
The two-sided *P* value of the Mann-Whitney test is 0.0315.

The effect sizes and CIs are reported above as: *effect size* [*CI width lower bound*; *upper bound*]

5000 bootstrap samples were taken; the confidence interval is bias-corrected and accelerated.

The *P* value(s) reported are the likelihood(s) of observing the effect size(s), *if the null hypothesis of zero difference is true*; they are included here to satisfy a common requirement of scientific journals.

⑨ Download results.

Plots are available in SVG or PNG formats.

The table of statistics can be downloaded as a CSV text file.

◯ PNG ◯ SVG ◯ CSV

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ESTIM ATION STATS

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