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
1	resolucao_	resolucao_
2	77.43	81.33
3	85.24	86.50
4	74.29	77.27
5	65.76	67.18
6	45.05	52.99
7	81.97	86.41
8	83.98	88.43
9	90.74	89.97
10	57.82	60.12
11	80.08	84.97
12	76.47	73.83

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

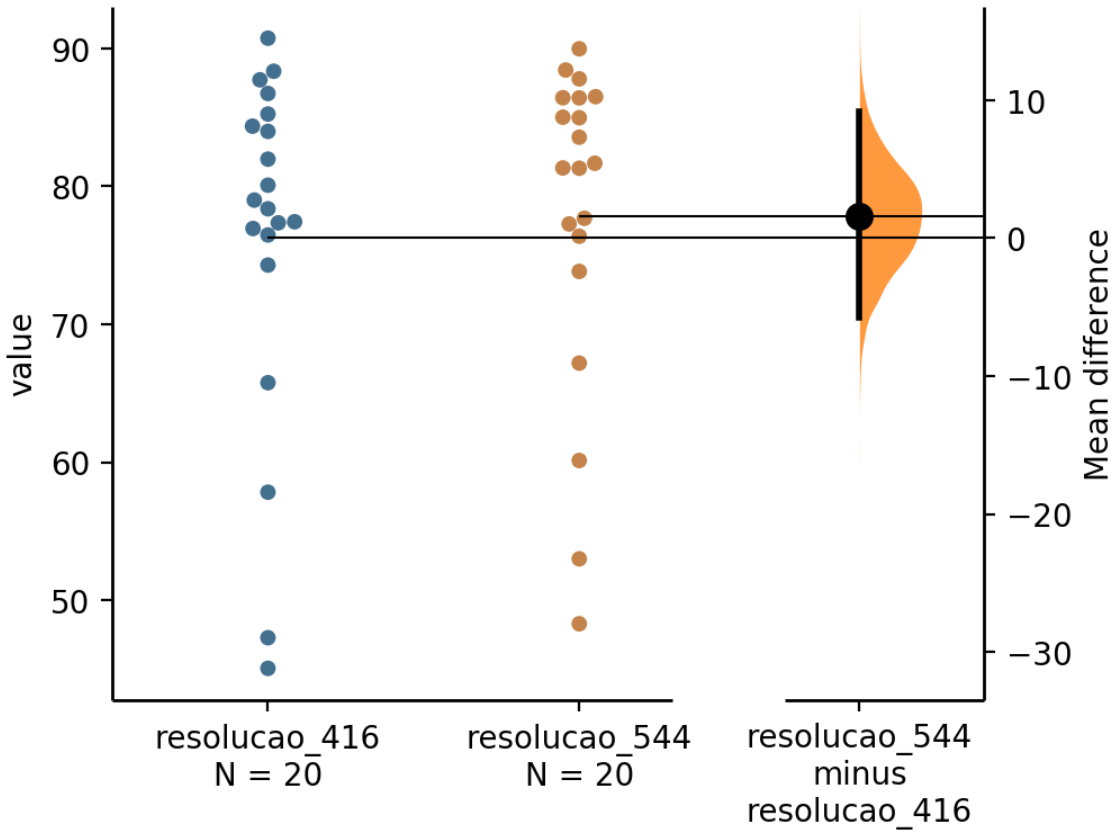
upper limit

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_416 and resolucao_544 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_416 and resolucao_544 is 1.61 [95.0%CI -5.8, 9.14].
The two-sided *P* value of the Mann-Whitney test is 0.617.

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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