

Bootstrapping test

This tool can be used to:

- Perform Mixed effect logistic regression.
- Visualise results of the analysis as a correspondence plot.

Instructions:

1) Copy-paste data in the text-box in the following format directly from a spreadsheet.

	A	B	C
1	ID_its	1650_59	1660_69
2	1	0	0
3	2	662.01	0
4	3	191.36	0
5	4	1625.28	0
6	5	475.62	0
7	6	338.29	0
8	7	326.26	377.42
9	8	110.05	3062.48
10	9	0	1059.2
11	10	0	1236.4

ID column

Corpus 1
(period 1)

Corpus 2
(period 2)

2) Select parameters

A two-tailed test is suitable if we hypothesise change over time but not the direction of the change. There are two one-tailed versions of the test depending on the direction of the change:
i) increase of frequencies over time and ii) decrease of frequencies over time.

2. Select parameters.

Hypothesis:

- Difference between two corpora (two-tailed)
- Increase between corpus 1 and corpus 2 (one-tailed)
- Decrease between corpus 1 and corpus 2 (one-tailed)

Number of bootstrapping samples:

You can change the number of bootstrapping samples. The more samples, the longer will the test take.

3) Click on 'Run the test'.

1. Paste tab delimited data including header row and id column. For help click [here](#).

```
4678 1795.94
4679 187.44
4680 0
4681 0
4682 0
4683 0
4684 89.69
4685 0
4686 0
4687 120.84
4688 1862.45
4689 367.78
4690 111.48
```

2. Select parameters.

Hypothesis:

- Difference between two corpora (two-tailed)
- Increase between corpus 1 and corpus 2 (one-tailed)
- Decrease between corpus 1 and corpus 2 (one-tailed)

Number of bootstrapping samples:

4) The output

RESULT:

Bootstrap test (1000), p = 0.000999; mean percentage increase: 23.595, 95% CI [13.959, 33.231]

no. of samples

p-value

observed change (effect size)

95% CI for the effect size

 R code that performs the analysis can be viewed and copied when going with the mouse pointer to [R code](#)