

TECNICHE DI ANALISI DEI DATI

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Questi materiali sono disponibili per tutti gli studenti al seguente indirizzo:

<https://goo.gl/RwAbbd>

Seconda Università di Napoli (SUN) – Dipartimento di Psicologia – TECNICHE DI ANALISI DEI DATI – © Prof. V.P. Senese

SOFTWARE

Esistono moltissimi software disponibili per l'analisi statistica, che si differenziano per l'interfaccia, il linguaggio di programmazione e le funzioni (analisi statistiche).



Questo sito internet: <http://freestatistics.altervista.org/>

raccoglie una parte dei software che sono disponibili gratuitamente:

- **Freeware** [distribuito gratuitamente e senza bisogno di licenza d'uso]
- **Open Source** [non protetto da copyright e liberamente modificabile]
- **Free for non commercial use**
- **Limited Edition** (*demo*)

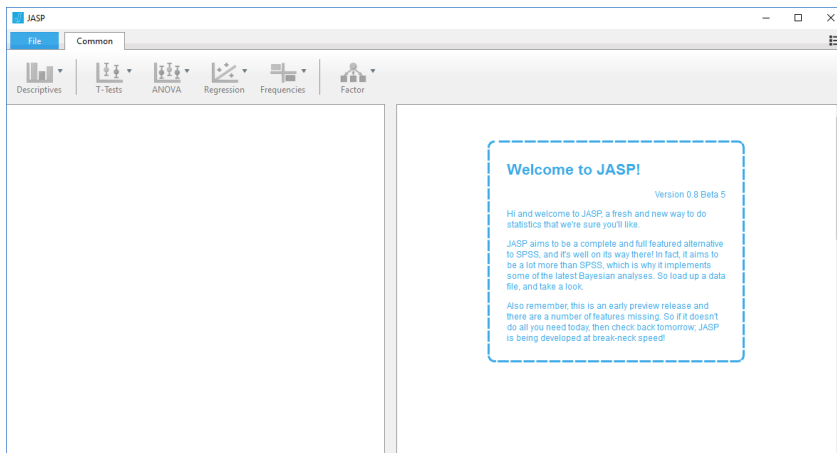
SOFTWARE FREE



SOFTWARE NON-FREE

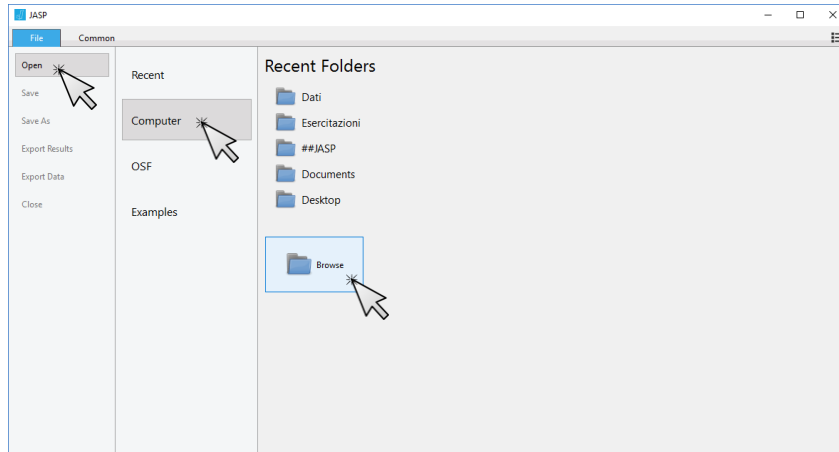


JASP



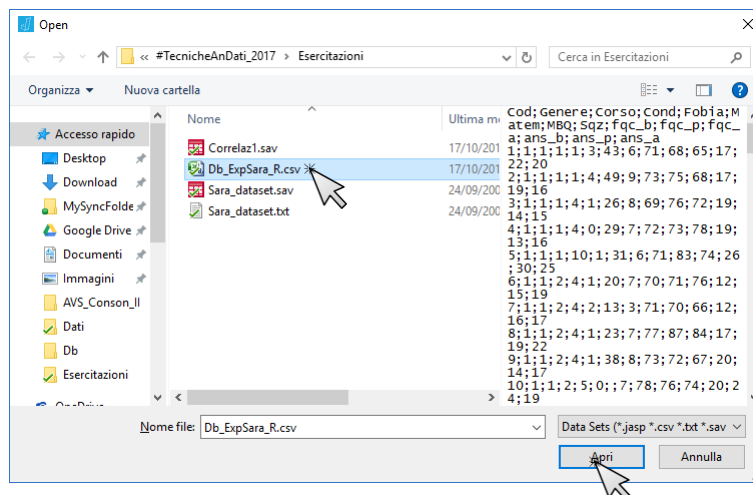
<https://jasp-stats.org/>

JASP



Nel menù >File >Open, selezionando >Computer >Browse è possibile indicare un db (soggetti × variabili) da importare per eseguire le analisi statistiche.

JASP



Il file (db) può essere in formato solo testo (delimitato da “,” o da “;” ovvero .txt e .csv), in formato SPSS (.sav), o in formato JASP (.jasp).

JASP

The screenshot shows the JASP software interface with a data table and a welcome message. The data table has the following columns: Cod, Genre, Corso, Cond, Fobia, Matem, MBQ, Sqz, and Iqz-b. The rows are numbered 1 through 15.

| | Cod | Genre | Corso | Cond | Fobia | Matem | MBQ | Sqz | Iqz-b |
|----|-----|-------|-------|------|-------|-------|-----|-----|-------|
| 1 | 1 | 1 | 1 | 1 | 3 | 43 | 6 | 71 | |
| 2 | 2 | 1 | 1 | 1 | 4 | 40 | 9 | 73 | |
| 3 | 3 | 1 | 1 | 1 | 4 | 1 | 26 | 8 | 69 |
| 4 | 4 | 1 | 1 | 1 | 4 | 0 | 29 | 7 | 72 |
| 5 | 5 | 1 | 1 | 1 | 10 | 1 | 31 | 6 | 71 |
| 6 | 6 | 1 | 1 | 2 | 4 | 1 | 20 | 7 | 70 |
| 7 | 7 | 1 | 1 | 2 | 4 | 2 | 13 | 3 | 71 |
| 8 | 8 | 1 | 1 | 2 | 4 | 1 | 23 | 7 | 77 |
| 9 | 9 | 1 | 1 | 2 | 4 | 1 | 38 | 8 | 73 |
| 10 | 10 | 1 | 1 | 2 | 5 | 0 | . | 7 | 78 |
| 11 | 11 | 1 | 1 | 2 | 5 | 1 | 29 | 8 | 74 |
| 12 | 12 | 1 | 1 | 2 | 4 | 0 | 32 | 8 | 73 |
| 13 | 13 | 1 | 1 | 2 | 7 | 0 | 18 | 1 | 73 |
| 14 | 14 | 1 | 1 | 3 | 4 | 1 | . | 5 | 72 |
| 15 | 15 | 1 | 1 | 4 | 3 | 1 | 21 | 8 | 72 |

The welcome message on the right says: "Welcome to JASP! Version 0.8 Beta 5. Hi and welcome to JASP, a fresh and new way to do statistics that we're sure you'll like. JASP aims to be a complete and full featured alternative to SPSS, and it's well on its way there! In fact, it aims to be a lot more than SPSS, which is why it implements some of the latest Bayesian analyses. So load up a data file, and take a look. Also remember, this is an early preview release and there are a number of features missing. So if it doesn't do all you need today, then check back tomorrow, JASP is being developed at break-neck speed!"

JASP

The screenshot shows the JASP software interface with the 'Descriptive Statistics' menu open. The menu options are 'Descriptive Statistics' and 'Reliability Analysis'. The data table below has the following columns: Corso, Cond, Fobia, and Matem. The rows are numbered 1 through 10.

| | Corso | Cond | Fobia | Matem |
|----|-------|------|-------|-------|
| 1 | 1 | 1 | 1 | 3 |
| 2 | 2 | 1 | 1 | 4 |
| 3 | 3 | 1 | 1 | 4 |
| 4 | 4 | 1 | 1 | 4 |
| 5 | 5 | 1 | 1 | 10 |
| 6 | 6 | 1 | 1 | 4 |
| 7 | 7 | 1 | 1 | 4 |
| 8 | 8 | 1 | 1 | 4 |
| 9 | 9 | 1 | 1 | 4 |
| 10 | 10 | 1 | 1 | 5 |

JASP

Descriptives

Descriptive Statistics

| Fobia | |
|----------------|--------|
| Valid | 100 |
| Missing | 0 |
| Mean | 3.310 |
| Mode | 4.000 |
| Std. Deviation | 2.444 |
| Minimum | 0.000 |
| Maximum | 10.000 |

Plots

Boxplot

Fobia

Total

JASP

Correlation Matrix

Correlation Table

| | | Fobia | Matern |
|--------|-----------------|-------|-----------|
| Fobia | Pearson's r | — | -0.458*** |
| | Spearman's rho | — | -0.480*** |
| | Kendall's tau B | — | -0.392*** |
| Matern | Pearson's r | — | — |
| | Spearman's rho | — | — |
| | Kendall's tau B | — | — |

* p < .05, ** p < .01, *** p < .001