

TECNICHE DI ANALISI DEI DATI

AA 2017/2018

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

<https://goo.gl/hxL9zG>

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://freestatics.altervista.org/>

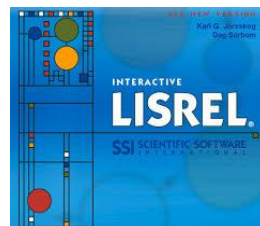
raccoglie una parte dei software che sono disponibili gratuitamente:

- **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)

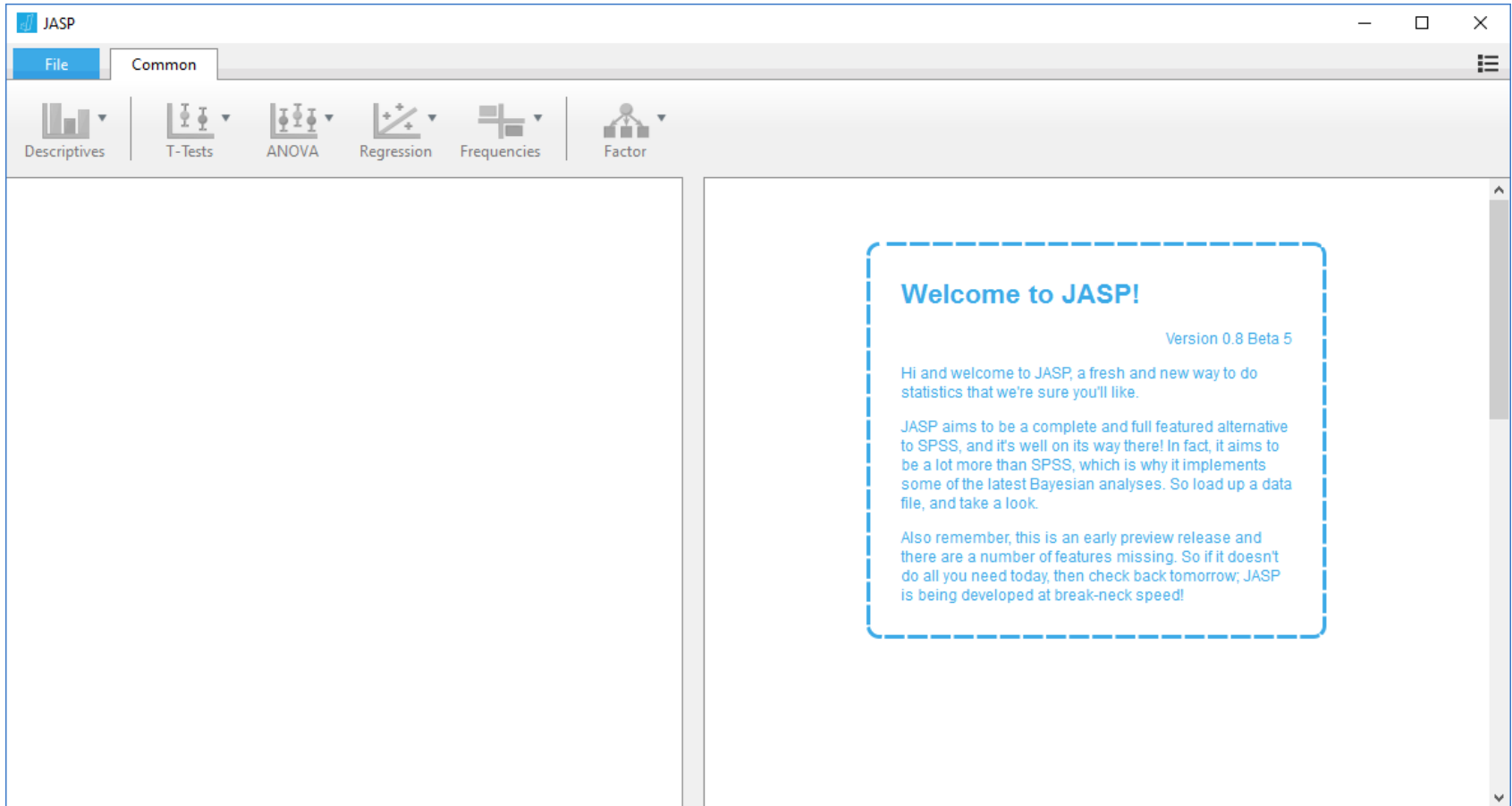
SOFTWARE FREE



SOFTWARE NON-FREE

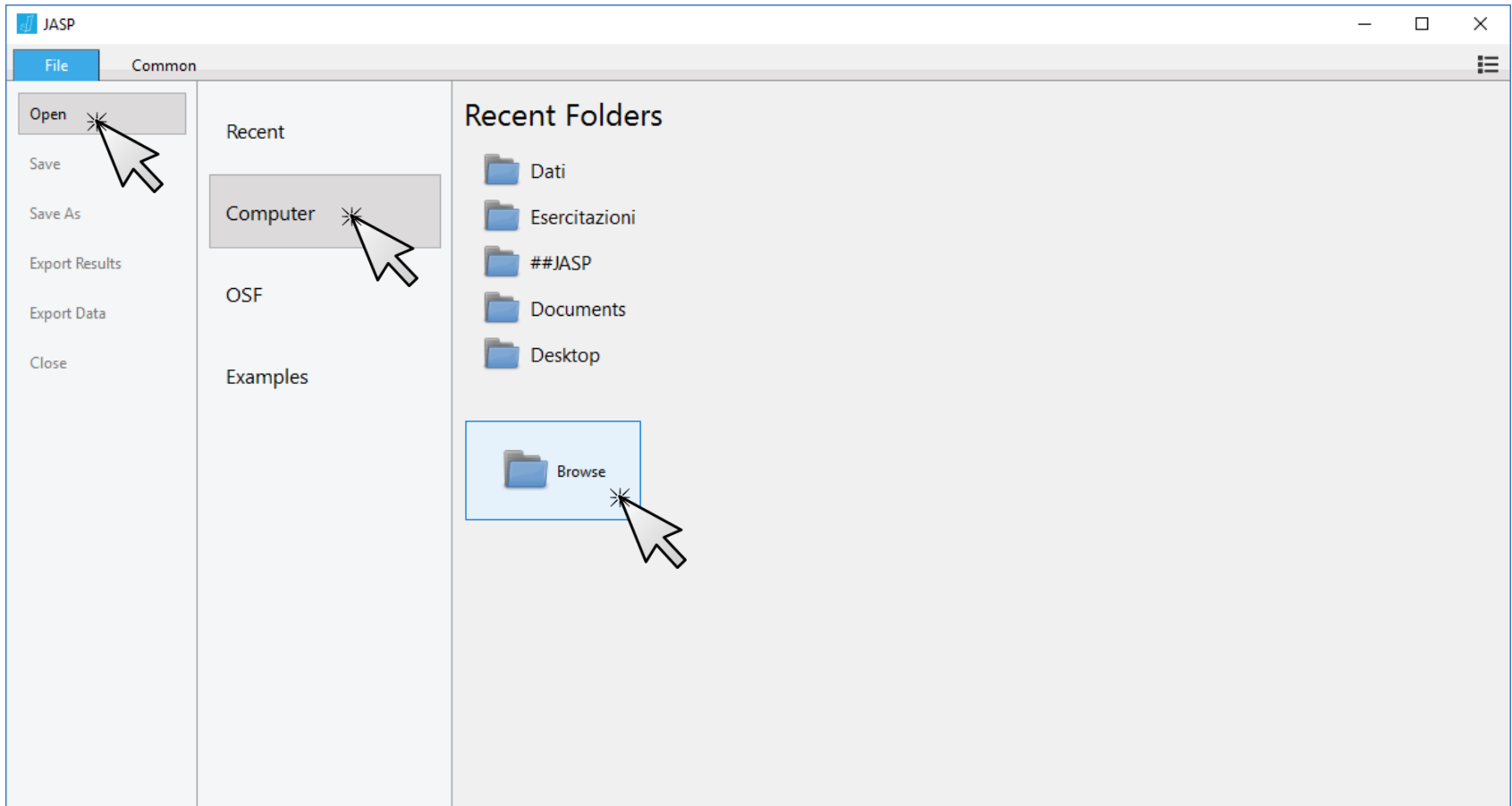


JASP



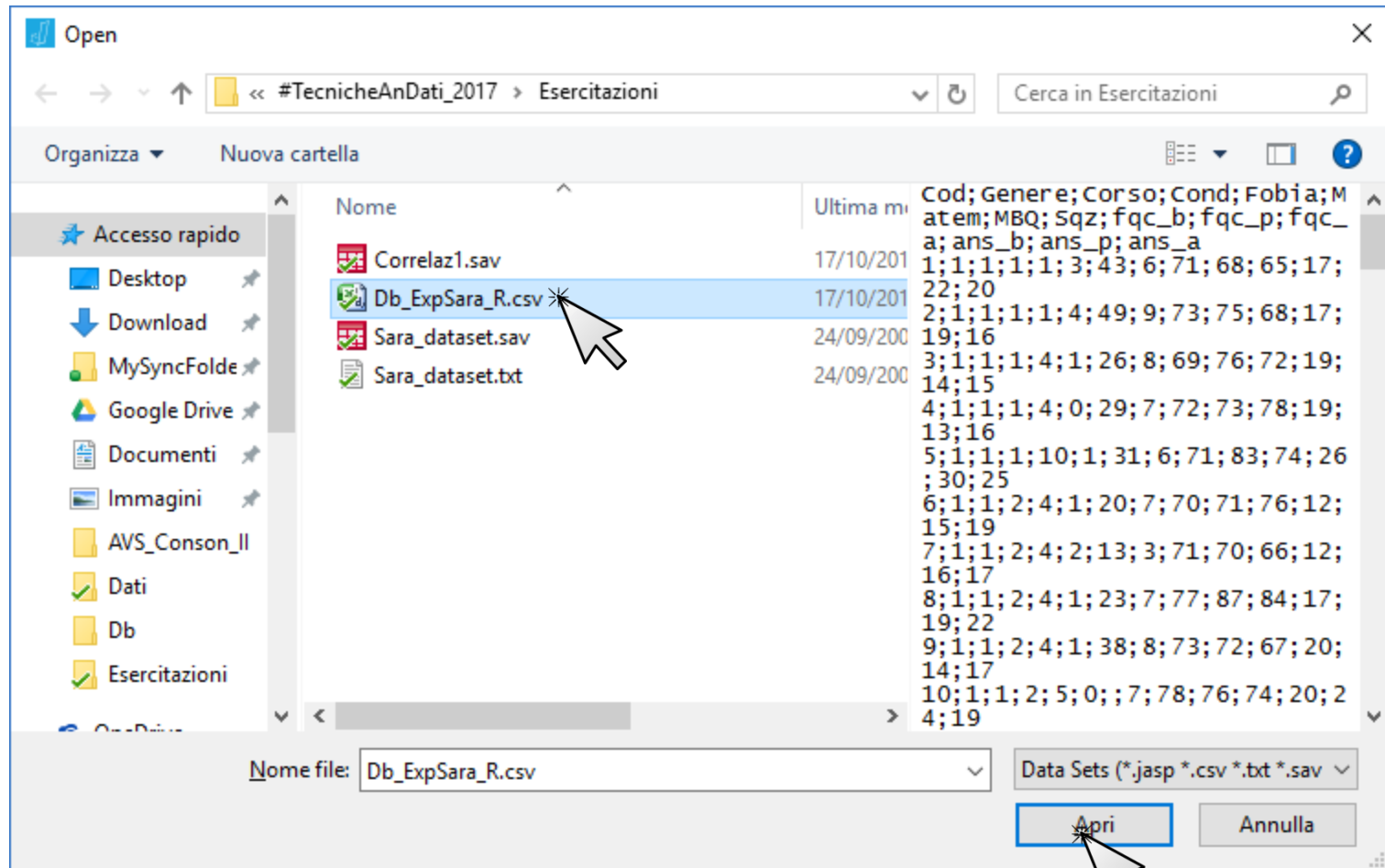
<https://jasp-stats.org/>

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 displays the JASP software interface. The window title is "Db_ExpSara_R". The menu bar includes "File" and "Common". The toolbar contains icons for "Descriptives", "T-Tests", "ANOVA", "Regression", "Frequencies", and "Factor".

	Cod	Gener	Corso	Cond	Fobia	Matem	MBQ	Sqz	fqc_b
1	1	1	1	1	1	3	43	6	71
2	2	1	1	1	1	4	49	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

On the right side, a welcome message is displayed in a dashed blue box:

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

Db_ExpSara_R

File Common

Descriptives T-Tests ANOVA Regression Frequencies Factor

Descriptive Statistics
Reliability Analysis

			Corso	Cond	Fobia	Matem
1	1	1	1	1	1	3
2	2	1	1	1	1	4
3	3	1	1	1	4	1
4	4	1	1	1	4	0
5	5	1	1	1	10	1
6	6	1	1	2	4	1
7	7	1	1	2	4	2
8	8	1	1	2	4	1
9	9	1	1	2	4	1
10	10	1	1	2	5	0

JASP

Db_ExpSara_R*

File Common

Descriptives T-Tests ANOVA Regression Frequencies Factor

	Cod	Genere	Corso
1	1	1	1
2	2	1	1
3	3	1	1
4	4	1	1
5	5	1	1
6	6	1	1
7	7	1	1
8	8	1	1
9	9	1	1
10	10	1	1
11	11	1	1
12	12	1	1
13	13	1	1
14	14	1	1
15	15	1	1
16	16	1	1
17	17	1	1
18	18	1	1
19	19	1	1
20	28	1	2
21	29	1	2
22	30	1	2
23	20	1	2
24	21	1	2
25	24	1	2
26	22	1	2
27	23	1	2
28	25	1	2

Cod Fobia OK

- Cod
- Genere
- Corso
- Cond**
- Matem
- MBQ
- Sqz
- fqc_b
- fqc_p
- fqc_a

Display frequency tables (nominal and ordinal variables)

Plots

Display deviation plots

Display correlation plot

Display boxplots

Label Outliers

Color

Boxplot Element

Violin Element

Jitter Element

Split by (optional)

Statistics

Percentile Values

Quartiles

Cut points for: 4 equal groups

Percentiles:

Central Tendency

Mean

Median

Mode

Sum

Dispersion

Std. deviation Minimum

Variance Maximum

Range S. E. mean

Distribution

Skewness

Kurtosis

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

The screenshot shows the JASP software interface. The 'Regression' menu is open, and 'Correlation Matrix' is selected. The background shows a data table with columns 'Cod', 'Genere', and 'Corso'.

	Cod	Genere	Corso
1	1	1	1
2	2	1	1
3	3	1	1
4	4	1	1
5	5	1	1

The screenshot shows the 'Correlation Matrix' dialog box and the resulting 'Results' window. The dialog box has 'Fobia' and 'Matem' selected in the variable list. The 'Correlation Coefficients' section has 'Pearson', 'Spearman', and 'Kendall's tau-B' checked. The 'Hypothesis' section has 'Correlated' selected. The 'Plots' section has 'Correlation matrix' checked. The 'Results' window shows the following correlation table:

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

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