

Face lab book

Face lab

2024-11-07



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# Chapter 1

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Chapter 2

Jamovi

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2.1

“ ” “ ”

jamovi - 预实验

变量 数据 分析 编辑

探索 T检验 方差分析 回归 频数 因子

Subject

1 10009

2 10010

3 10011

4 10012

5 10013

6

7

8

9

10

11

12

13

14

15

16

单因素方差分析

方差分析

重复测量方差分析

协方差分析

多元协方差分析

非参数检验

单因素方差分析

Kruskal-Wallis

重复测量方差分析

Friedman检验

Familiar-... Familiar-... Unfamili

8 2.590 2.926

1 2.318 3.290

1 1.667 1.295

2 2.681 3.605

6 1.992 1.906

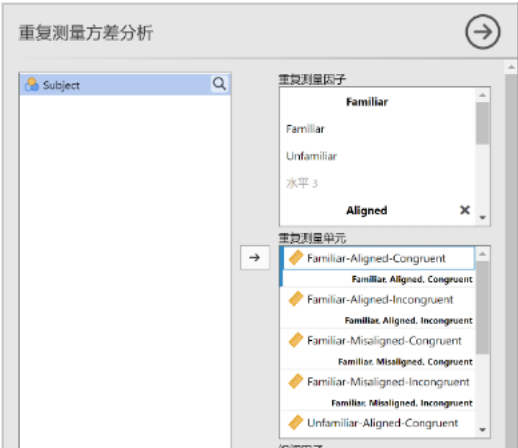
“ ” “ ” “ ” “ ” “ ”

1” Familiar “familiar” “unfamiliar”

7



“ ” “ ”  $2 * 2 * 2$  8



“ 2 ” “d-prime”.

效应量	因变量标签
<input type="checkbox"/> 普通 $\eta^2$ 值 <input type="checkbox"/> $\eta^2$ 值 <input checked="" type="checkbox"/> 偏 $\eta^2$ 值	d-prime

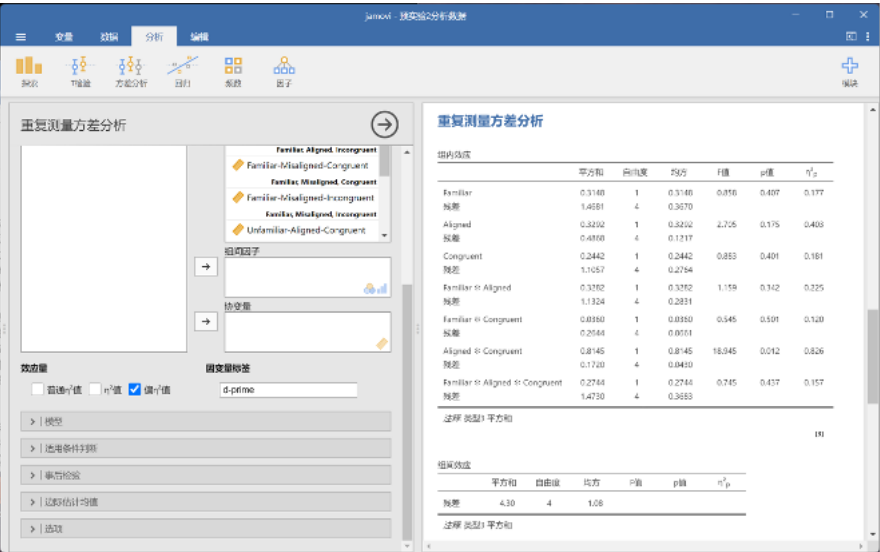
“ ” “ ”





“ ”

jamovi



jamovi “ ” “ ” “ ”



事后检验

事后比较 - Aligned & Congruent									
比较									
Aligned	Congruent	Aligned	Congruent	均值差	标准误	自由度	t值	Pukey	Pbonferroni
Aligned	Congruent	-	Incongruent	0.4416	0.196	4.00	2.252	0.252	0.524
		-	Misaligned	0.4668	0.130	4.00	3.600	0.073	0.136
	Incongruent	-	Misaligned	0.3377	0.202	4.00	1.672	0.439	1.000
		-	Misaligned	0.0252	0.197	4.00	0.128	0.999	1.000
Misaligned	Congruent	-	Misaligned	-0.1040	0.127	4.00	-0.819	0.844	1.000
		-	Misaligned	-0.1291	0.159	4.00	-0.810	0.848	1.000

jamovi      Tukey   Bonferron

2.3 t

- 
- t



•



•

配对样本T检验

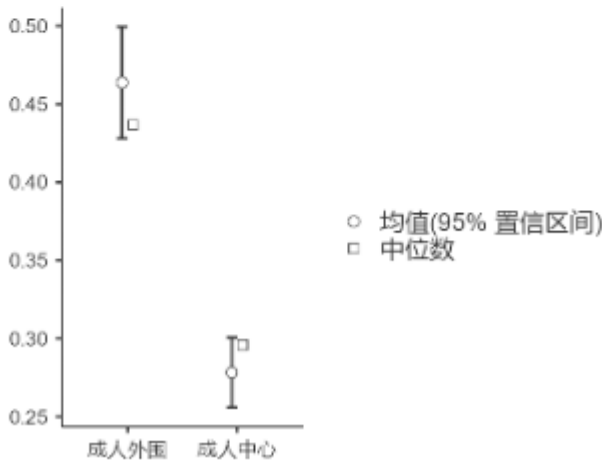
配对样本T检验			统计量	自由度	p值
成人外围	成人中心	Student's t值	7.36	64.0	< .001

注释 H<sub>0</sub>: 测量值1 - 测量值2 = 0

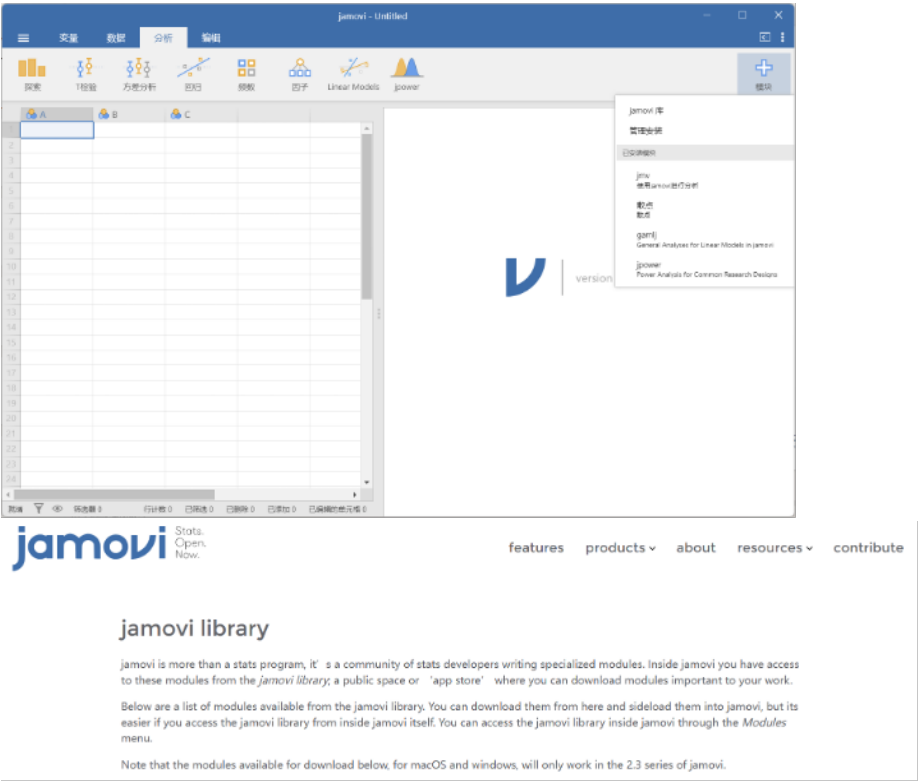
描述					
	个案数	均值	中位数	标准差	标准误
成人外围	65	0.464	0.437	0.1467	0.0182
成人中心	65	0.278	0.296	0.0921	0.0114


绘图

成人外围 - 成人中心



2.4






**SCATR 1.2.0**  
Ravi Selker

Allows you to produce several types of explorative plots such as scatter plots and pareto charts. You can find it under the 'Exploration' menu.


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**RJ - EDITOR TO RUN R CODE INSIDE JAMOVİ 2.0.6**  
Jonathon Love

Provides an editor allowing you to enter R code, and analyse your data using R inside jamovi.


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**JPOWER: POWER ANALYSIS FOR COMMON RESEARCH DESIGNS 0.1.2**  
Richard D. Morey and Ravi Selker

Power analysis for common research designs


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**GENERAL ANALYSES FOR LINEAR MODELS IN JAMOVİ 2.6.6**  
Marcello Gallucci

A suite for estimation of linear models, such as the general linear model, linear mixed model, generalized linear models and generalized mixed models. For each family, models can be estimated with categorical and/or continuous variables, with options to facilitate estimation of interactions, simple slopes, simple effects, post-hoc tests, contrast analysis and visualization of the results.


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**SCATR 1.2.0**  
Ravi Selker

Allows you to produce several types of explorative plots such as scatter plots and pareto charts. You can find it under the 'Exploration' menu.


WINDOWS MACOS LINUX 生成多种类型的图表，例如散点图等。



**RJ - EDITOR TO RUN R CODE INSIDE JAMOVİ 2.0.6**  
Jonathon Love

Provides an editor allowing you to enter R code, and analyse your data using R inside jamovi.


WINDOWS MACOS LINUX 提供一个R语言的编辑器，允许输入 R 代码，并在 jamovi 中使用 R 分析数据。



**JPOWER: POWER ANALYSIS FOR COMMON RESEARCH DESIGNS 0.1.2**  
Richard D. Morey and Ravi Selker

Power analysis for common research designs


WINDOWS MACOS LINUX 功能类似于G-power，样本量或者效应量计算。



**GENERAL ANALYSES FOR LINEAR MODELS IN JAMOVİ 2.6.6**  
Marcello Gallucci


A suite for estimation of linear models, such as the general linear model, linear mixed model, generalized linear models and generalized mixed models. For each family, models can be estimated with categorical and/or continuous variables, with options to facilitate estimation of interactions, simple slopes, simple effects, post-hoc tests, contrast analysis and visualization of the results.

WINDOWS MACOS LINUX 用于估计线性模型，例如一般线性模型、线性混合模型、广义线性模型和广义混合模型。对于 each 系列（误差类型？），可以使用分类和/或连续变量来估计模型，并可选择交互作用、简单斜率、简单效应、事后检验、对比分析和结果可视化的选项。




**WRAPPER FOR GGSTATSPLOT** 0.0.2.02  
Serdar Balci  
A wrapper for ggstatsplot: ijstatsplot helps researchers to generate plots in jamovi based on ggstatsplot package.  
[WINDOWS](#) [MACOS](#)

ggstatsplot是一个用于创建包含统计测试详细信息的图形的扩展包。它基于ggplot包，提供了一种更简单的语法来生成包含统计分析的丰富信息的图形，这些图形可以用于连续（如散点图、直方图、点图、点须图）或分类（如饼图和条形图）数据的统计分析。ggstatsplot支持多种统计方法和测试，包括参数、非参数、稳健和贝叶斯版本的t检验/方差分析、相关性分析、列联表分析、元分析和回归分析等。




**CORRELATIONS SUITE FOR JAMOVI** 3.6.2  
Hyunsoo Seol  
This module is a tool for calculating correlations such as Pearson, Partial, Tetrachoric, Polychoric, Spearman, Intraclass correlation, Bootstrap agreement, Multilevel correlation, Concordance correlation, Analytic Hierarchy Process, Correlation structure, and allows users to produce Gaussian Graphical Model and Partial plot.  
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该模块是计算相关性的工具，例如皮尔逊相关、偏相关、四分相关、列联表相关、斯皮尔曼相关、类内相关、Bootstrap一致性、多级相关、分析层次结构、相关结构，并允许用户生成高斯图形模型和偏残差图。



**RASCH MIXTURE, LCA, AND TEST EQUATING ANALYSIS** 5.2.2  
Hyunsoo Seol  
This module allows users to conduct Latent class analysis, Latent Profile Analysis, Rasch model, Linear Logistic Test Model, Linear and Equipercetile Equating, and Rasch mixture model including model information, fit statistics, and bootstrap item fit.  
[WINDOWS](#) [MACOS](#) [LINUX](#)

该模块允许用户进行潜在类分析、潜在剖面分析、Rasch模型、线性Logistic测试模型、线性和等百分位数等同以及Rasch混合模型，包括模型信息、拟合统计和bootstrap项拟合。



**MULTIVARIATE ANALYSIS** 6.7.1  
Hyunsoo Seol  
This module allows users to analyze k-means and hierarchical clustering, Correspondence Analysis, Multiple Factor Analysis, Factor analysis of mixed data, Discriminant Analysis, Multidimensional Scaling, Univariate time series, and various visualization results.  
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该模块允许用户分析k均值和层次聚类、对应分析、多因子分析、混合数据的因子分析、判别分析、多维缩放、单变量时间序列和各种可视化结果。





## Chapter 3

# Zotero

2024 Nov 07



# Archive

You can label chapter and section titles using `{#label}` after them, e.g., we can reference Chapter `??`. If you do not manually label them, there will be automatic labels anyway, e.g., Chapter `??`.

Figures and tables with captions will be placed in `figure` and `table` environments, respectively.

```
par(mar = c(4, 4, .1, .1))  
plot(pressure, type = 'b', pch = 19)
```

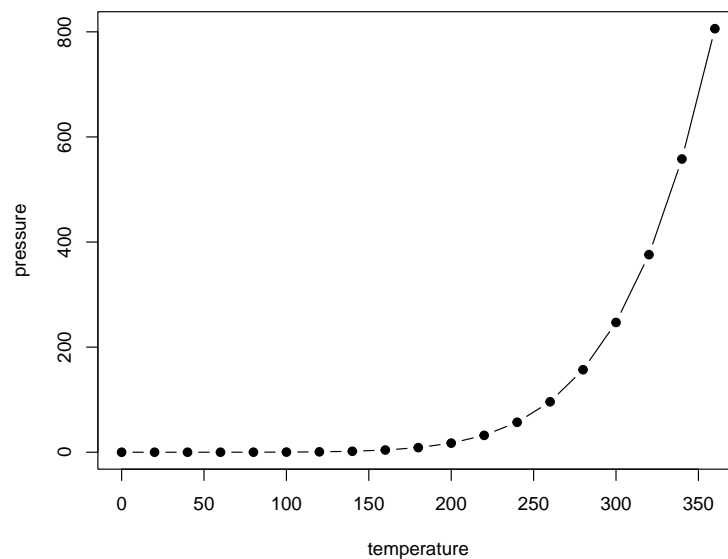


Figure 3.1: Here is a nice figure!

Reference a figure by its code chunk label with the `fig:` prefix, e.g., see Figure 3.1. Similarly, you can reference tables generated from `knitr::kable()`, e.g., see Table 3.1.

Table 3.1: Here is a nice table!

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa
4.6	3.4	1.4	0.3	setosa
5.0	3.4	1.5	0.2	setosa
4.4	2.9	1.4	0.2	setosa
4.9	3.1	1.5	0.1	setosa
5.4	3.7	1.5	0.2	setosa
4.8	3.4	1.6	0.2	setosa
4.8	3.0	1.4	0.1	setosa
4.3	3.0	1.1	0.1	setosa
5.8	4.0	1.2	0.2	setosa
5.7	4.4	1.5	0.4	setosa
5.4	3.9	1.3	0.4	setosa
5.1	3.5	1.4	0.3	setosa
5.7	3.8	1.7	0.3	setosa
5.1	3.8	1.5	0.3	setosa

```
knitr::kable(
  head(iris, 20), caption = 'Here is a nice table!',
  booktabs = TRUE
)
```

You can write citations, too. For example, we are using the **bookdown** package (?) in this sample book, which was built on top of R Markdown and **knitr** (Xie, 2015).

# Bibliography

Xie, Y. (2015). *Dynamic Documents with R and knitr*. Chapman and Hall/CRC, Boca Raton, Florida, 2nd edition. ISBN 978-1498716963.