Face lab book

Face lab

2024-11-07

Contents

Chapter 1

- Chapter 2: Jamovi
- Chapter 3: Zotero

Chapter 2

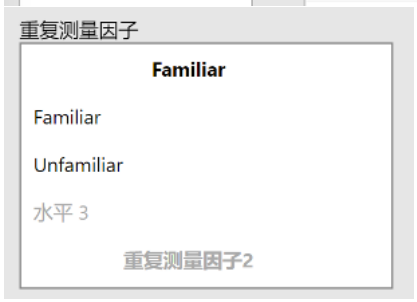
Jamovi

2024 Nov 07

2.1

“ ”“ ” -

“ ” “ ” “ ” “ 1” Familiar “familiar” “unfamiliar”



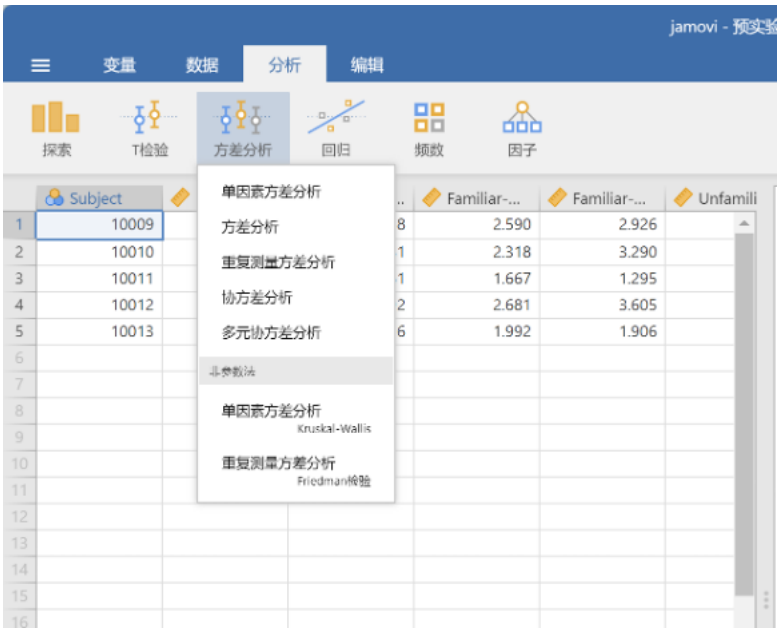


Figure 2.1: jamovi_anova

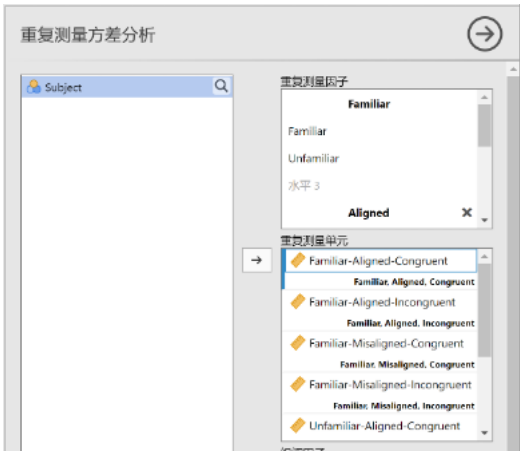


Figure 2.2: jamovi_rmanova-factorlevels2

“ ” “ ” 2 * 2 * 2 8

“ 2 ” “d-prime”.

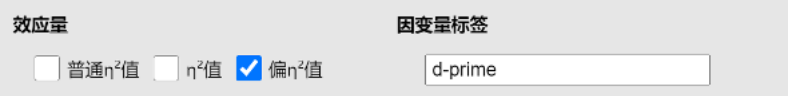


Figure 2.3: jamovi_rmanova-dv

“ ” “ ”

Figure 2.4: jamovi_rmanova-sphericity

“ ”

jamovi

2.2

jamovi “ ” “ ” “ ” “ ”

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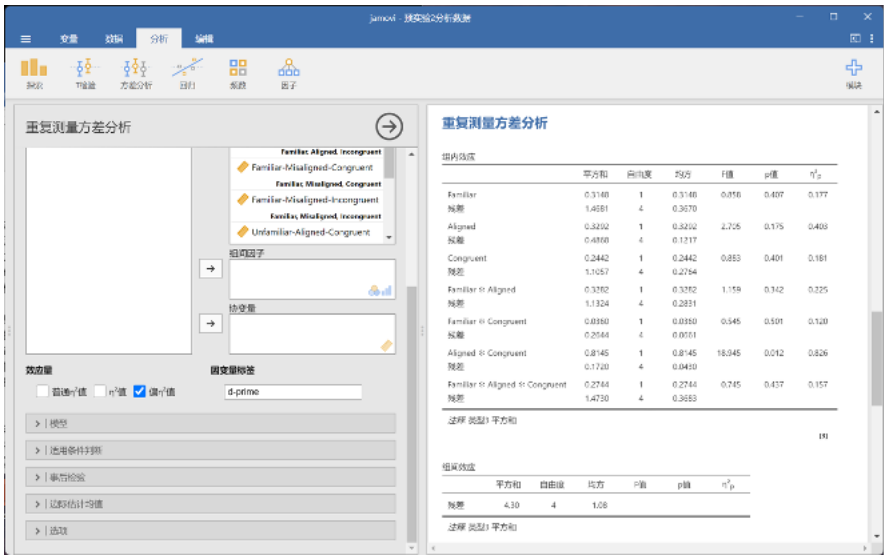


Figure 2.5: jamovi_rmanova-result

Figure 2.6: jamovi_posthoc

事后检验

事后比较- Aligned * Congruent

	比较								
Aligned	Congruent	-	Aligned	Incongruent	0.4416	0.196	4.00	2.252	0.252	0.524
		-	Misaligned	Congruent	0.4668	0.130	4.00	3.600	0.073	0.136
		-	Misaligned	Incongruent	0.3377	0.202	4.00	1.672	0.439	1.000
	Incongruent	-	Misaligned	Congruent	0.0252	0.197	4.00	0.128	0.999	1.000
		-	Misaligned	Incongruent	−0.1040	0.127	4.00	−0.819	0.844	1.000
Misaligned	Congruent	-	Misaligned	Incongruent	−0.1291	0.159	4.00	−0.810	0.848	1.000

Figure 2.7: jamovi_posthoc-results

Figure 2.8: jamovi_ttest

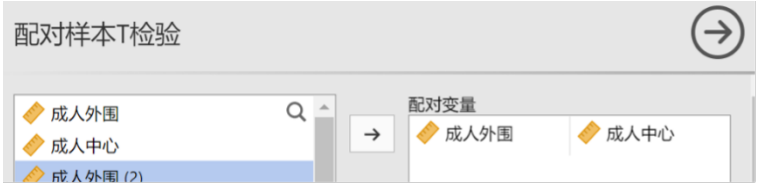


Figure 2.9: jamovi_ttest-compare

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_a $\mu_{测量值1 - 测量值2} \neq 0$

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

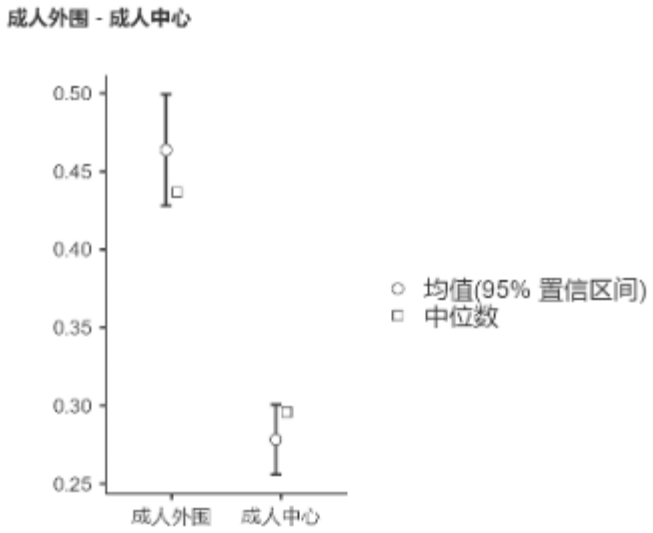
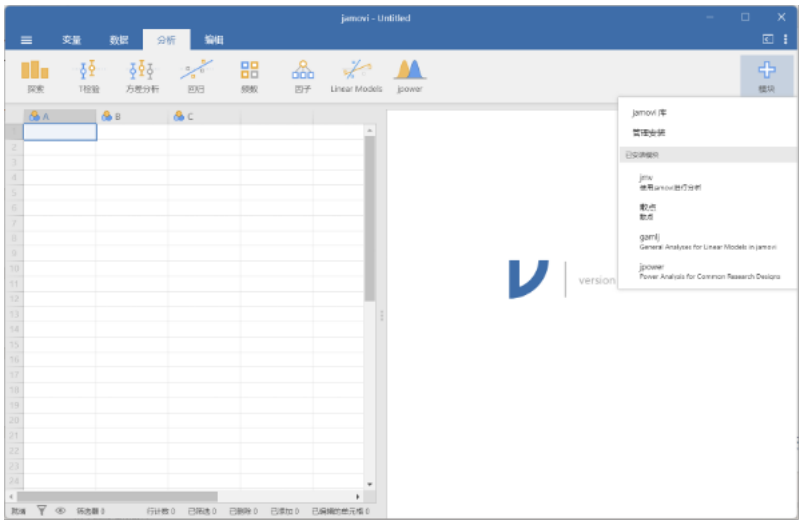


Figure 2.10: jamovi_ttest-result

2.4



jamovi Stats. Open. Now.

features products about resources contribute

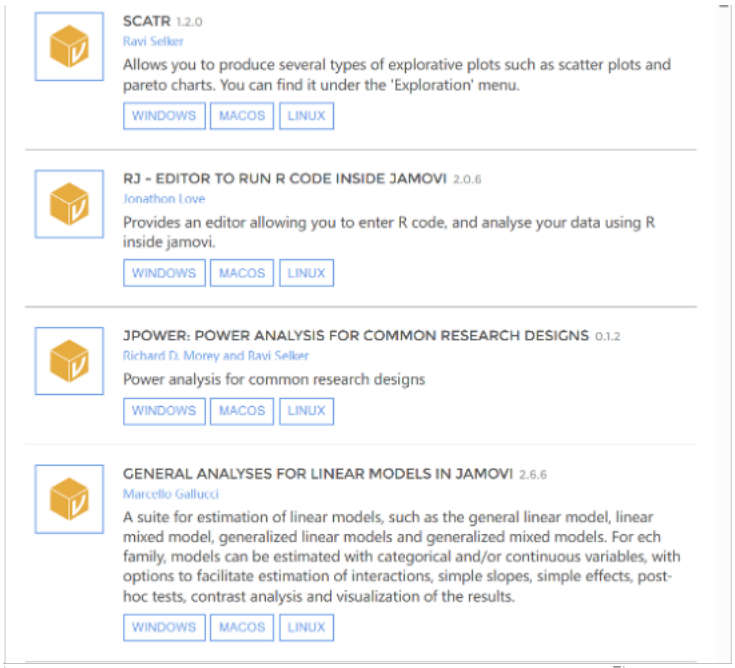
jamovi library

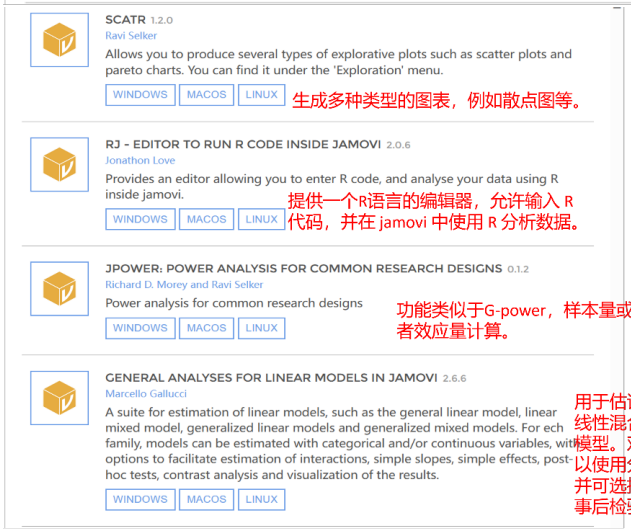
jamovi is more than a stats program, it' s a community of stats developers writing specialized modules. Inside jamovi you have access to these modules from the *jamovi library*; a public space or 'app store' where you can download modules important to your work.

Below are a list of modules available from the jamovi library. You can download them from here and sideload them into jamovi, but its easier if you access the jamovi library from inside jamovi itself. You can access the jamovi library inside jamovi through the *Modules* menu.

Note that the modules available for download below, for macOS and windows, will only work in the 2.3 series of jamovi.

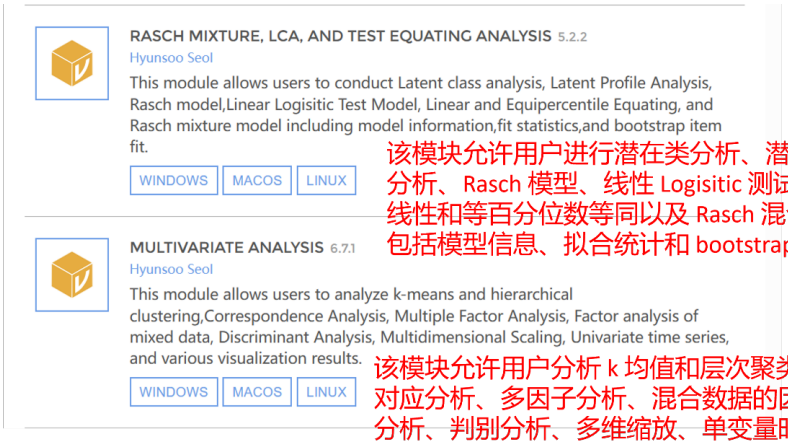
jamovi https://www.jamovi.org/library.html


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
RJ - EDITOR TO RUN R CODE INSIDE JAMOVI 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
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
GENERAL ANALYSES FOR LINEAR MODELS IN JAMOVI 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 ech 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


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 JAMOVI 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 JAMOVI 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 ech 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 ech 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。

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。

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。



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 Logisitic 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。

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)
```

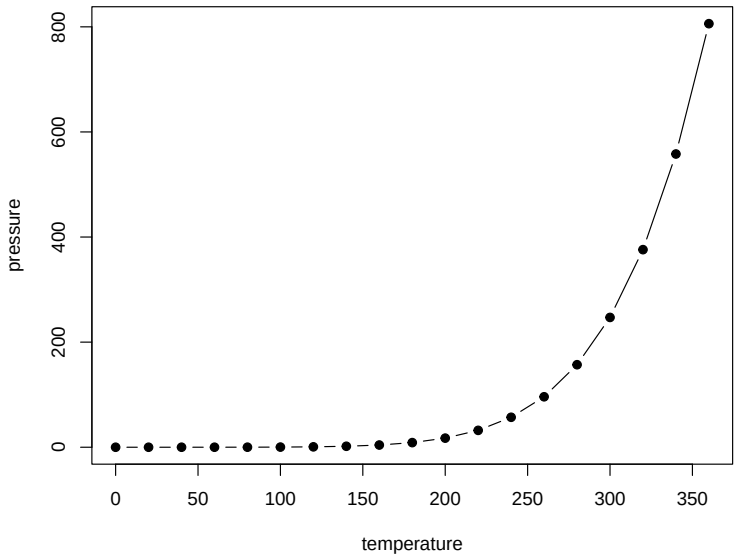


Figure 3.1: Here is a nice figure!

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.