Teaching Stats with JASP: A Guide to Data Analysis & Interpretation

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Preface

This is a companion book[1] used in a course[2] I teach at Cal State Northridge. This book is comprised of step-by-step tutorials showing how to perform statistical analysis with JASP.

Future versions of this book will contain topics related to **hypothesis testing**, **descriptive and inferential statistics**, etc. The goal is for this book to evolve into a textbook that may be used in Introductory Statistics courses taught at the undergraduate or graduate levels.

Updates

I announce major updates made to this book on Twitter. For updates, follow me at ofurtado[3]. Alternatively, you can subscribe to my blog www.drfurtado.us for updates.

How to use this book

To take full advantage of this book, I encourage you to download and install JASP (Section **??**). so that you can follow along. You will need to take some time to practice the tutorials using JASP. Besides, make sure to complete the challenge exercises you will encounter while studying the tutorials found throughout this book.

[1]The online version of this book is free to read and licensed under Creative Commons Attribution-NonCommercial 4.0 International License.

[2]KIN610 - Quantitative Analysis of Research in Kinesiology

[3]http://twitter.com/ofurtado

Appendix A

Software

To study and learn the content presented in this book, you will be required to download and install a few computer standalone applications. Below, you will learn how to download and install these applications in your machine.

A.1 JASP

The open-source statistical package JASP (**?**) will be used to demonstrate the statistical analyses covered in this book.

A.1.1 Prerequisites

- Windows, MacOS, or Linux

A.1.2 Download and installation

Please, follow the instructions found in (**?**) to install JASP in your device.

Appendix B

Assignment Examples

In this section, I provide several examples of assignments instructors can use when teaching introductory statistics courses to undergraduate or graduate students.

B.1 Descriptive Statistics

- Example 1: HTML | Word