Research Process for Music Psychologists
R version

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Chapter 1

Preface

This is an R adaptation of the statistics content from a subject called Research Process for Music Psychologists (MUSI90252). The subject is an overview of research methods for Masters and PhD students in music psychology at the University of Melbourne.

The general idea

The subject's statistics material was originally written for Jamovi, given its ease of use and impressive functionality, but we have also encouraged any quantitative-oriented students to consider learning R in the long term. With that in mind, by and large the content is exactly the same as the Jamovi-focused content in the Canvas shell, except:

- Some commentary has either been added or removed for R-specific material (e.g. information on functions).
- Embedded content, such as that in Module 7, is not available here (but is Jamovi-specific anyway).
- Some content has been reorganised in a minor way because of how R outputs things compared to Jamovi.
- The first chapter is a very (*very*) brief overview of how to use core R and tidyverse functions.

The R version of the RPMP content is therefore fairly different to the regular Jamovi version, by virtue of the fact that even though Jamovi is built on R it isn't necessarily built with R users in mind. Rather, Jamovi is built for users of SPSS and other platforms who may be used to a point and click approach. To clarify, there's nothing wrong with this at all - I actually think this is a great thing, and I believe one of Jamovi's greatest strengths is how easy it is to use. At the same time, for the budding R-using music psychologist - at least for RPMP - it means that the same procedures in R work a little differently

to how they function in Jamovi. It's for this reason that the R adaptation of the MUSI90252 content has been written with one key principle in mind: *parity with Jamovi*. R can and will do so much more than what is presented in this book, but again, the subject was originally designed with Jamovi users in mind.

Part I

Introduction