Untitled Demography Proposal

Presented to

The Division of Ben-Gurion Research Institute

BGU

In Partial Fulfillment

of the Requirements for the Degree

Master of Arts

Brandon Payne

Sept. 2016

Approved for the Division
(Israel Studies International MA Program)

_____

Dr. Ben Herzog

Preface

This is a very important contribution.

Table of Contents

List of Tables

List of Figures

Abstract

The preface pretty much says it all.

Second paragraph of abstract starts here.

Introduction

This proposal is about Russians, who moved to Israel, and ended up being counted by the Central Bureau of Statistics. What does the data collected say about them?
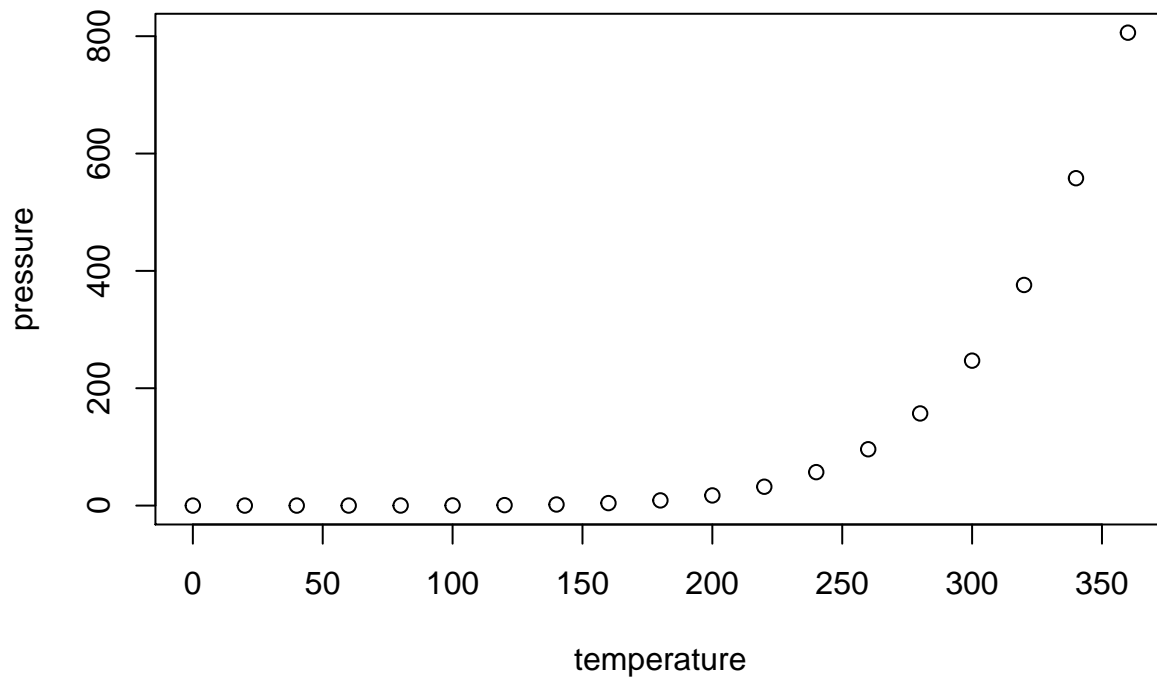
Section 1:

I found this stuff in old books:

Section 2:

Taken all together, I think this means, something.

0.1   Kinds of Russians

- Jews
- non-Jews
- those who immigrated to Israel
- those who immigrated to other countries 1. US 2. Germany and W. Europe 3. elsewhere
- those who stayed in Russia

Some inline code here: > The `cos` of 2π is 1. ## Including plots

"{r include_reedtemplates_2, include = FALSE} # This chunk ensures that the reedtemplates package is installed and loaded # This reedtemplates package includes the template files for the thesis and also # two functions used for labeling and referencing if(!require(devtools)) install.packages("devtools", repos = "`http://cran.rstudio.com`")

if(!require(reedtemplates)){ library(devtools) devtools::install_github("ismayc/reedtemplates") } library(reedtemplates) "'

Chapter 1

Mathematics and Science

1.1 Math

$$\begin{aligned}
\text{Unit.Sales}_t = \alpha &+ \beta_1 \text{Date}_t \\
&+ \beta_2 \text{Cable.TV}_t \\
&+ \beta_3 \text{Int.Display}_t \\
&+ \beta_4 \text{Local.Radio}_t \\
&+ \beta_5 \text{Magazines}_t \\
&+ \beta_6 \text{Network.TV}_t \\
&+ \beta_7 \text{Spot.TV}_t + \epsilon
\end{aligned}$$

In the **R** chunk below, we will load in a picture stored as `reed.jpg` in our main directory. We then give it the caption of "Reed logo", the label of "reed", and specify that this is a figure. Note again the use of the `results = "asis"` specification to automatically include and compile the LaTeX code.

```
label(path = "figure/reed.jpg", caption = "Reed logo",
      label = "reed", type = "figure")
```

Figure 1.1: Reed logo

1.2 Footnotes and Endnotes

You might want to footnote something.[1] The footnote will be in a smaller font and placed appropriately. Endnotes work in much the same way. More information can be found about both on the CUS site or feel free to reach out to `data@reed.edu`.

1.3 Bibliographies

Of course you will need to cite things, and you will probably accumulate an armful of sources. There are a variety of tools available for creating a bibliography database (stored with the .bib extension). In addition to BibTeX suggested below, you may want to consider using the free and easy-to-use tool called Zotero. The Reed librarians have created Zotero documentation at `http://libguides.reed.edu/citation/zotero`. In addition, a tutorial is available from Middlebury College at `http://sites.middlebury.edu/zoteromiddlebury/`.

R Markdown uses *pandoc* (`http://pandoc.org/`) to build its bibliographies. One nice caveat of this is that you won't have to do a second compile to load in references as standard LaTeX requires. To cite references in your thesis (after creating your bibliography database), place the reference name inside square brackets and precede it by the "at" symbol. For example, here's a reference to a book about worrying: (Molina & Borkovec, 1994). This `Molina1994` entry appears in a file called `thesis.bib` in the `bib` folder. This bibliography database file was created by a program called BibTeX. You can call this file something else if you like (look at the YAML header in the main .Rmd file) and, by default, is to placed in the `bib` folder.

For more information about BibTeX and bibliographies, see our CUS site (`http://web.reed.edu/cis/help/latex/index.html`)[2]. There are three pages on this topic: *bibtex* (which talks about using BibTeX, at `http://web.reed.edu/cis/help/latex/bibtex.html`), *bibtexstyles* (about how to find and use the bibliography style that best suits your needs, at `http://web.reed.edu/cis/help/latex/bibtexstyles.html`) and *bibman* (which covers how to make and maintain a bibliography by hand, without BibTeX, at `http://web.reed.edu/cis/help/latex/bibman.html`). The last page will not be useful unless you have only a few sources.

If you look at the YAML header at the top of the main .Rmd file you can see that we can specify the style of the bibliography by referencing the appropriate csl file. You can download a variety of different style files at `https://www.zotero.org/styles`. Make sure to download the file into the csl folder.

Tips for Bibliographies

- Like with thesis formatting, the sooner you start compiling your bibliography for something as large as thesis, the better. Typing in source after source is mind-numbing enough; do you really want to do it for hours on end in late April? Think of it as procrastination.

---

[1] footnote text
[2] Reed College (2007)

- The cite key (a citation's label) needs to be unique from the other entries.
- When you have more than one author or editor, you need to separate each author's name by the word "and" e.g. `Author = {Noble, Sam and Youngberg, Jessica},`.
- Bibliographies made using BibTeX (whether manually or using a manager) accept LaTeX markup, so you can italicize and add symbols as necessary.
- To force capitalization in an article title or where all lowercase is generally used, bracket the capital letter in curly braces.
- You can add a Reed Thesis citation[3] option. The best way to do this is to use the phdthesis type of citation, and use the optional "type" field to enter "Reed thesis" or "Undergraduate thesis."

1.4   Anything else?

If you'd like to see examples of other things in this template, please contact the Data @ Reed team (email `data@reed.edu`) with your suggestions. We love to see people using *R Markdown* for their theses, and are happy to help.

---

[3]Noble (2002)

Conclusion

If we don't want Conclusion to have a chapter number next to it, we can add the `{.unnumbered}` attribute. This has an unintended consequence of the sections being labeled as 3.6 for example though instead of 4.1. The LaTeX commands immediately following the Conclusion declaration get things back on track.

More info

And here's some other random info: the first paragraph after a chapter title or section head *shouldn't be* indented, because indents are to tell the reader that you're starting a new paragraph. Since that's obvious after a chapter or section title, proper typesetting doesn't add an indent there.

Appendix A

The First Appendix

This first appendix includes all of the R chunks of code that were hidden throughout the document (using the `include = FALSE` chunk tag) to help with readibility and/or setup.

In the main Rmd file:

```r
# This chunk ensures that the reedtemplates package is
# installed and loaded. This reedtemplates package includes
# the template files for the thesis and also two functions
# used for labeling and referencing
if(!require(devtools))
  install.packages("devtools", repos = "http://cran.rstudio.com")
if(!require(reedtemplates)){
  library(devtools)
  devtools::install_github("ismayc/reedtemplates")
}
library(reedtemplates)
```

In :

Appendix B

The Second Appendix, for Fun

References

Molina, S. T., & Borkovec, T. D. (1994). The Penn State worry questionnaire: Psychometric properties and associated characteristics. In G. C. L. Davey & F. Tallis (Eds.), *Worrying: Perspectives on theory, assessment and treatment* (pp. 265–283). New York: Wiley.

Noble, S. G. (2002). *Turning images into simple line-art* (Undergraduate thesis). Reed College.

Reed College. (2007, march). LaTeX your document. Retrieved from `http://web.reed.edu/cis/help/LaTeX/index.html`