

Introduction to Data Analysis and Education Research using Stata

Norah Jones

2025-11-15

Table of contents

Preface	3
1 Introduction	4
2 Introduction to Stata	5
2.1 1.1 Stata window components	7
3 Summary	9
References	10

Preface

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.

1 + 1

[1] 2

1 Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

```
1 + 1
```

```
[1] 2
```

2 Introduction to Stata

This chapter introduces you to Stata, how to install it and the different ways to use it for statistical analysis. Stata is a powerful tool, but it remains a tool. The statistical concepts you learn are more important, and you will likely have to change the tools you use throughout your career. As a Brown University affiliate, you can download and install the software following instructions on this page. There are many versions of Stata, and you should install the latest version available. The code included in this book will work for version 17 and those more recent. Stata / IC should be sufficient for most of the

2.1 1.1 Stata window components

The screenshot shows the Stata/SE 18.0 interface. The title bar reads "Stata/SE 18.0". The main window has two tabs: "History" and "Results". The "Results" tab is active, displaying the following text:

```
____ / ____ / ____ / ____ / ____ / ____ @  
____/ / ____/ / ____/ / ____/  
  
Statistics and Data Science      Stata 18.0  
SE-Standard Edition  
  
Copyright 1985-2023 StataCorp LLC  
StataCorp  
4905 Lakeway Drive  
College Station, Texas 77845 USA  
800-782-8272      https://www.stata.com  
979-696-4600      service@stata.com  
  
Stata license: 120-user network perpetual  
Serial number: 401806306258  
Licensed to: Brown University  
              Brown University  
  
Notes:  
1. Unicode is supported; see help unicode_advice.  
2. Maximum number of variables is set to 5,000 but can be increased; see help set_maxvar.  
3. New update available; type -update all-
```

Below the "Results" tab, there is a "Command" tab. At the bottom left, there is a search bar with the placeholder "(Q)" and a path bar showing "/Users/simaraha/Downloads".

Figure 2.1: Stata Window ⁷

- 1.2 Stata syntax and Naming conventions
 - 1.3 Using the command prompt
 - 1.3.1 Make students use it as a calculator
 - 1.4 Loading data
 - 1.4.1 Introduce an educational dataset – maybe OECD, NCES, open dataset Working Directory
 - 1.4.2 Stata code count, describe, labels, etc.
 - 1.5 Installing Packages
 - 1.5.1 Give some examples to do
 - 1.6 Tips and resources
 - 1.6.1 Give some links to pages
-

1 + 1 + 5

[1] 7

3 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```

References

- Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111. <https://doi.org/10.1093/comjnl/27.2.97>.