

# **Introduction to Data Analysis and Education Research using Stata**

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# Preface

This is a Quarto book.

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

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# 1 Introduction

This is a book created from markdown and executable code.

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

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## 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

- 1.1 Stata window components
- 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

### 2.1 1.6.1 Give some links to pages

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### 3 Summary

In summary, this book has no content whatsoever.

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# References

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