

Formatting examples

Monica Alexander

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1 Introduction

Here is my introduction, I want to talk about formatting. I'm writing some more text so I have text on multiple lines and so you can see that it's single spaced.

Here is an example of *italics*.

Here is an example of **bolding**.

Trying to underline.

1.1 Overview

- Hiding code, message, warnings
- Numbering sections
- Fontsize, spacing
- Underlining, bolding, italicizing
- Writing math
- Table formatting

2 Data

Here is my data:

```
## # A tibble: 6 x 9
##   resp urban region    age educattgen  marstat  abortion  hdi  hdi_c
```

	<dbl>	<chr>	<chr>	<dbl>	<chr>	<chr>	<dbl>	<dbl>	<dbl>
## 1	1	rural	north	26	primary/middl~	divorced or s~	0	0.475	-1.04
## 2	2	rural	eastern	27	primary/middl~	currently mar~	1	0.526	-0.108
## 3	3	urban	kampala	15	secondary/pos~	divorced or s~	0	0.639	1.96
## 4	4	rural	western	14	secondary/pos~	never married	0	0.499	-0.602
## 5	5	rural	karamoja	17	never attended	currently liv~	0	0.45	-1.50
## 6	6	rural	central~	17	secondary/pos~	currently liv~	1	0.54	0.149

2.1 Summary statistics

```
## # A tibble: 10 x 2
##   region      prop_abortion
##   <chr>          <dbl>
## 1 karamoja      0.0126
## 2 south west    0.0442
## 3 west Nile     0.0709
## 4 western       0.0719
## 5 central 2     0.0790
## 6 central 1     0.0945
## 7 north        0.122
## 8 east central  0.134
## 9 eastern      0.137
## 10 kampala     0.151
```

KableExtra package

2.2 Bivariate relationships

3 Methods

3.1 Writing math

The way that we write math in Rmarkdown essentially you write within dollar signs.

Note: one dollar sign is same line. Define Y_i to be whether or not woman i has ever had an abortion.

Table 1: My caption

Region	Proportion of women had abortion
karamoja	0.0126050
south west	0.0442478
west Nile	0.0709459
western	0.0718563
central 2	0.0790274
central 1	0.0944882
north	0.1221053
east central	0.1338156
eastern	0.1365741
kampala	0.1508772

Two dollars signs is new line and indented. This is for when you want to write an equation.

$$Y_i = \beta_0 + \beta_1 X_i$$

Keep typing below

Things to note:

- Subscripts, write after underscore Y_i
- If you want more than one subscript, the subscript has to go in curly brackets. X_{i1}
- Greek letters: start with backslash and then write the name of the letter. β, α, σ
- Subscripts on greek: β_0
- Superscript: σ^2

Example of a hierarchical model:

$$Y_i \sim N(\alpha_{j[i]}, \sigma^2)$$

with

$$\alpha_j \sim N(\mu_\alpha, \sigma_\alpha^2)$$

Logistic regression:

$$\text{logit } Y_i = \beta_0 + \beta_1 X_i$$

Numbered lists:

1. hliu
2. iugouygdlyugs

4 Discussion

5 Reference