

My Dazzling Report

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This is my report for the Management Committee.

Some Info

This is really important information that people should read before looking at my output.

Here is a key formula that the reader should know about: $y = \alpha + \beta x$.

References:

- Tabs: <https://bookdown.org/yihui/rmarkdown-cookbook/html-tabs.html>
- Using Rmarkdown in your development process

These are the R packages I'm going to highlight:

```
#The report
library(rmarkdown)

#Tables
library(kableExtra)

#Plots
library(ggplot2)
```

I'm going to get some unemployment data from FRED to demo but I'm hiding my code from you.

Analysts might want to know this information.

```
print(analyst_info)

##   start_date  end_date date_executed
## 1 2005-01-01 2021-09-01   2021-09-12
```

Fixed Tables

with kableExtra

“The goal of kableExtra is to help you build common complex tables and manipulate table styles. It imports the pipe `%>%` symbol from magrittr and verbalize all the functions, so basically you can add “layers” to a kable output in a way that is similar with ggplot2 and plotly.” – Hao Zhu

Table 1: Recession Unemployment Rates by Demographic

Category	Date	UR
Total	2008-01-01	5
	2008-04-01	5
	2008-07-01	5.8
	2008-10-01	6.5
	2009-01-01	7.8
	2009-04-01	9
	2020-04-01	14.8
	2020-07-01	10.2
	2020-10-01	6.9
	2021-01-01	6.3
	2021-04-01	6.1
	2021-07-01	5.4
Black/African American	2008-01-01	9.1
	2008-04-01	8.6
	2008-07-01	10
	2008-10-01	11.4
	2009-01-01	12.7
	2009-04-01	15
	2020-04-01	16.7
	2020-07-01	14.4
	2020-10-01	10.8
	2021-01-01	9.2
	2021-04-01	9.7
	2021-07-01	8.2
White	2008-01-01	4.4
	2008-04-01	4.4
	2008-07-01	5.2
	2008-10-01	5.9
	2009-01-01	7.1
	2009-04-01	8.1
	2020-04-01	14.1
	2020-07-01	9.2
	2020-10-01	6
	2021-01-01	5.7
	2021-04-01	5.3
	2021-07-01	4.8
Hispanic/Latino	2008-01-01	6.3
	2008-04-01	7.1
	2008-07-01	7.5
	2008-10-01	8.8
	2009-01-01	10.1
	2009-04-01	11.4
	2020-04-01	18.9
	2020-07-01	12.7
	2020-10-01	8.8
	2021-01-01	8.6
	2021-04-01	7.9
	2021-07-01	6.6

Fixed Plot

