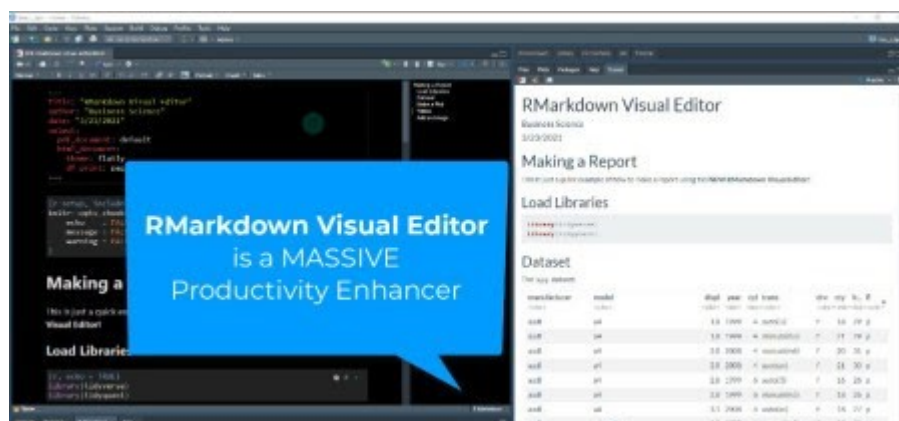


RMarkdown Visual Editor

The RMarkdown visual editor is a massive productivity enhancer. I easily get a **3X speed-boost** when making PDF reports. In this R-Tip, you'll learn how to do all of this in 5-minutes:

- Make a **PDF Report** (and HTML too)
- Add **datasets** to your report
- Add **ggplot** visualizations
- Add **Tables**
- Add **Images**

And you'll do it the easy way with **RMarkdown's new Visual Editor**.



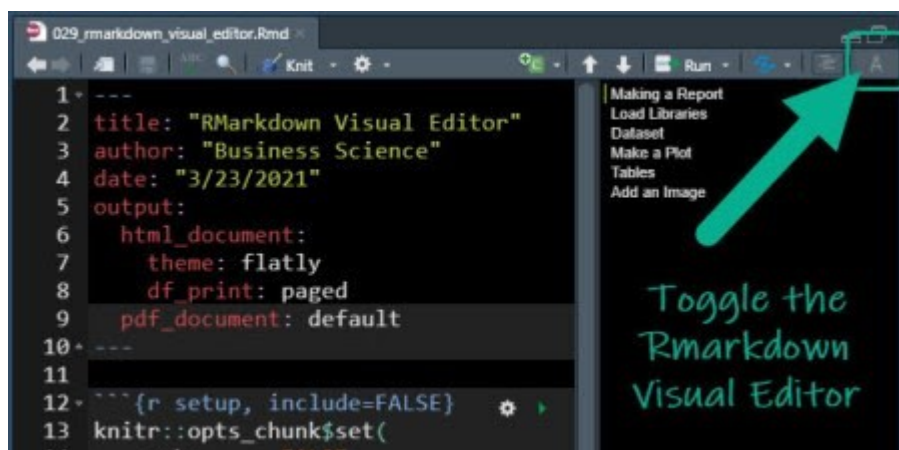
R Markdown Visual Editor is a Massive Productivity Enhancer

Helps us make this PDF report in minutes.



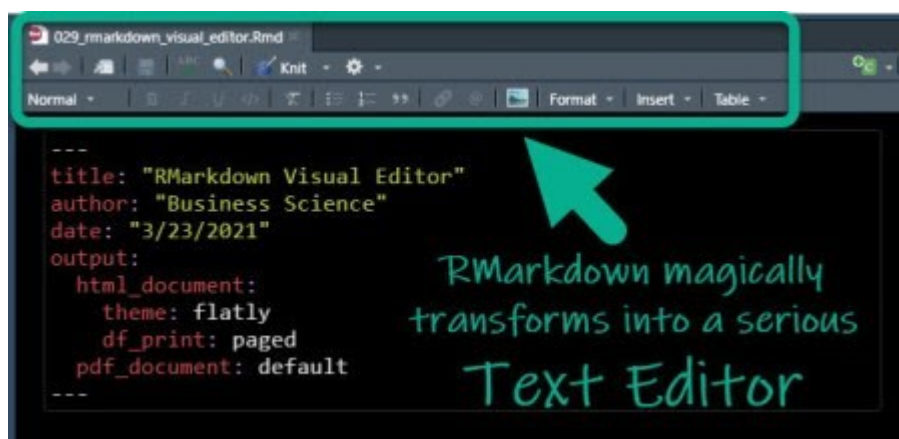
How to get started with Visual Editor

It's simple to turn on the Rmarkdown Visual Editor. Just click this button.



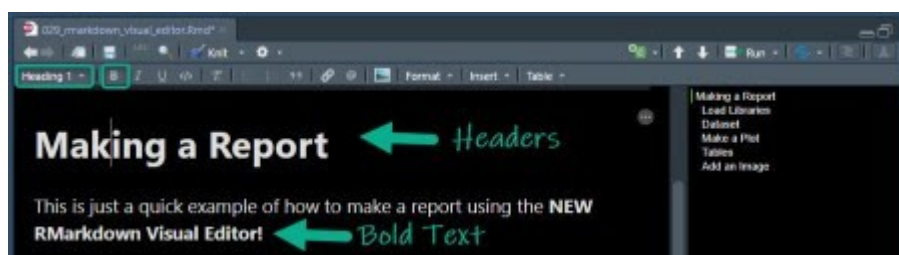
Exploring the Visual Editor

When you click the “Visual Editor Toggle Button”, your Rmarkdown options **transform into an amazing Text Editor**.



Format Headers and Text Faster

No need to remember how to make text bold or add headers. Just click the Heading 1 or the Bold buttons. The formatting in the Rmarkdown changes to show that your text formatting worked.



Make Tables Faster

Tables in R Markdown used to be a huge pain. That goes away with the convenient table editor.

029_rmarkdown_visual_editor.Rmd

Normal B I U </> Format Insert Table

Tables

Make tables much easier

Following Business Science	Chance of Success	Speed of Learning
Yes	High	Fast
No	Low	Slow

Why Learn Data Science from Business Science

Add a ggplot to your report

We can even add ggplot2 visualizations.

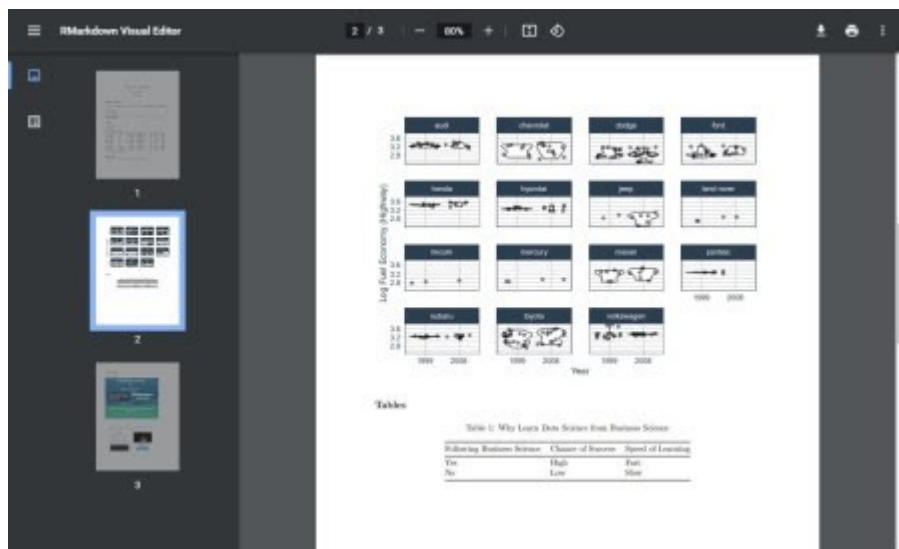
Make a Plot

Learn `ggplot2` visualization - [Business Analytics with R \(DS4B 101-R\)](#).

```
{r, out.height="700px"}
mpg %>%
  ggplot(aes(factor(year), log(hwy))) +
  geom_violin() +
  geom_jitter(alpha = 0.5) +
  facet_wrap(~ manufacturer) +
  theme_tq() +
  labs(x = "Year", y = "Log Fuel Economy (Highway)")
```

Create a PDF report

Just knit to PDF.

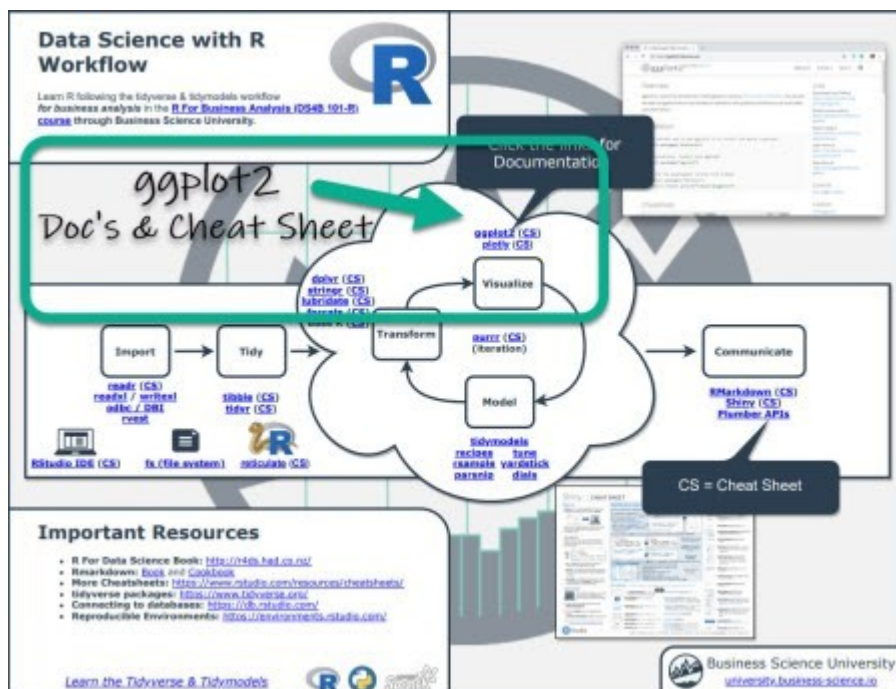


Learning ggplot2

To make powerful PDF Reports showcasing data science, you'll need to learn `ggplot2`. **Here are a few learning tips:**

PRO TIP 1 – Use my Cheat Sheet

I've added the "Tidyverse" to [my Ultimate R Cheatsheet](#) (see page 1). Click the "CS" next to ggplot to get the ggplot2 Cheat Sheet.



This downloads the "Data Visualization with ggplot2" Cheat Sheet with all of the ggplot2 functions. It's a great way to get a 1000-foot view of ggplot2. But, it can be a lot to take in.



The screenshot displays the RStudio interface. The left pane shows the R console with the following code:

```

125 sales_by_year %>% summarise()
126
127 # Setup canvas with year (x-axis) and sales (y-axis) +
ggplot(sales_by_year, y ~ sales) +
128
129 # Geometry
geom_col(fill = "#1b3559") +
130
131 geom_label(label = sales_text) +
132 geom_smooth(method = "lm", se = FALSE) +
133
134 # Formatting
theme_minimal() +
135 scale_y_continuous(labels = scales::dollar) +
136 labels
137
138 title = "Revenue by Year",
139 subtitle = "Upward trend",
140 x = "",
141 y = "Revenue"
142
143
144 # A.2 Sales by Year and Category 2 ----
145
146 # Step 1 - Manipulate
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```

The right pane shows the R plot window with the title "Revenue by Year". The plot is a bar chart with the x-axis labeled "Year" and the y-axis labeled "Revenue". The bars represent the revenue for each year from 2011 to 2015. A blue line with a linear model fit is overlaid on the bars. The revenue values are labeled on top of each bar: \$11,752,600 for 2011, \$16,063,335 for 2012, \$19,480,770 for 2013, \$13,924,000 for 2014, and \$17,171,910 for 2015. The plot shows a clear upward trend in revenue over the five-year period.

[Try Jumpstart with R Course](#)

In Summary

You just built an amazing PDF Report with ggplot code all thanks to RMarkdown Visual Editor!