# R Markdown

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2019.12.06

# The magic of Markdown

```
- bullets
- **bold**
- *italics*
- [links](https://google.com)
- or run inline `r code`
```

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- **bold**
- *italics*
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# The reproducibility

```
# Introduction

Here is some background you need to know:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam
iaculis enim ut enim viverra molestie. In lacinia aliquet urna,
nec vulputate quam congue et. Maecenas porta mauris sem, nec
laoreet sapien tincidunt non. Integer sit amet consequat neque,
non iaculis ligula.

# Hypothesis

Pellentesque molestie erat nec elit efficitur, sit amet sodales
erat viverra. Mauris sed commodo eros, ac volutpat sem. Morbi
convallis leo et dui cursus, eu suscipit turpis efficitur.

# Section 1 code and results

First I will run this.

```{r}
print("Hello world")
print("Yup, this is important")
```

The output of which is consistent with my hypothesis.

# Conclusion

I can move on to the next part of my project
```

## Introduction

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## [1] "Hello world"
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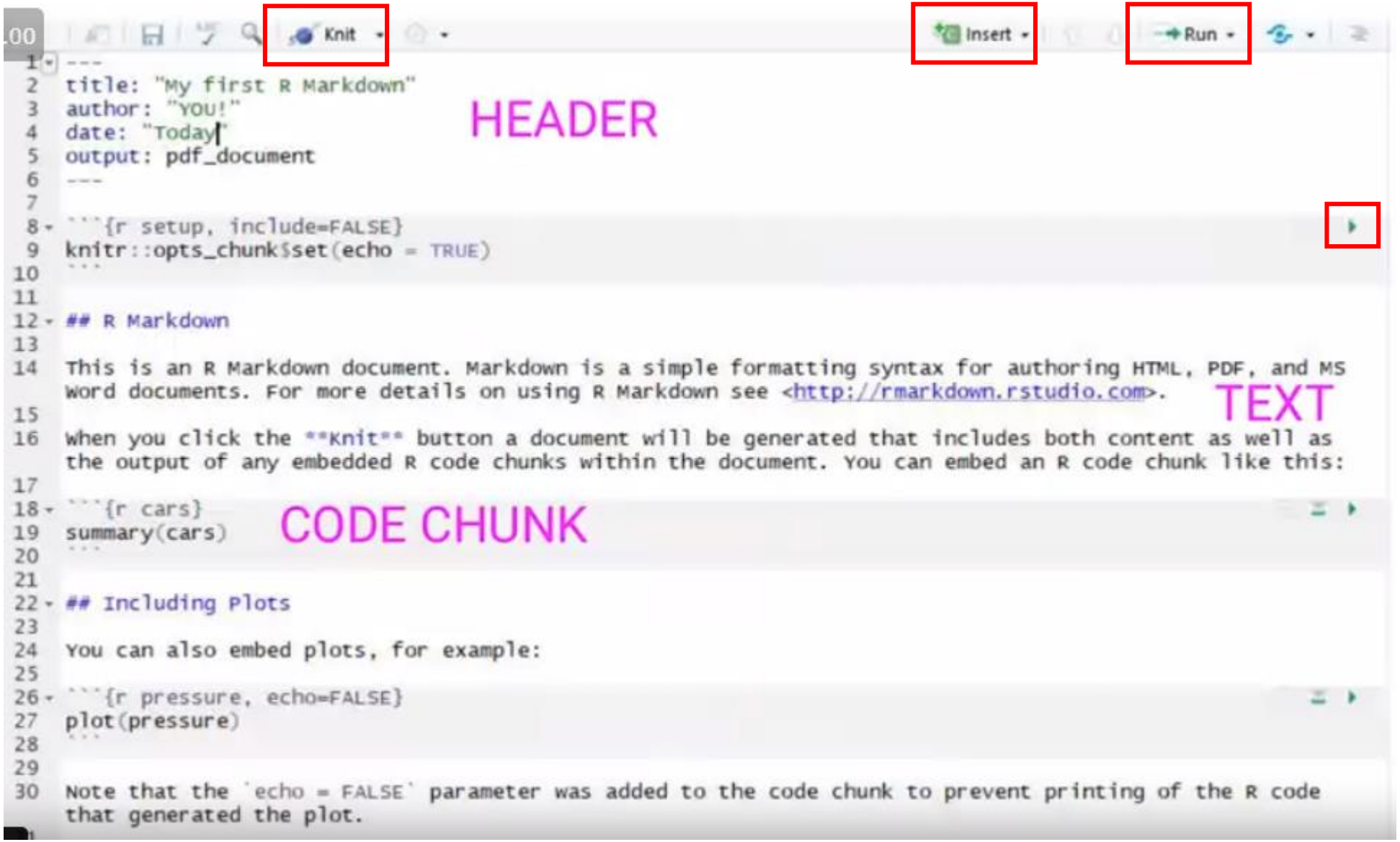



```
---
title: "My first R Markdown"
author: "YOU!"
date: "Today"
output: pdf_document
---

```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
```

## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```{r cars}
summary(cars)
```

## Including Plots

You can also embed plots, for example:

```{r pressure, echo=FALSE}
plot(pressure)
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.
```

1.00

`**bold**` and `*italics*` → **bold** and *italics*

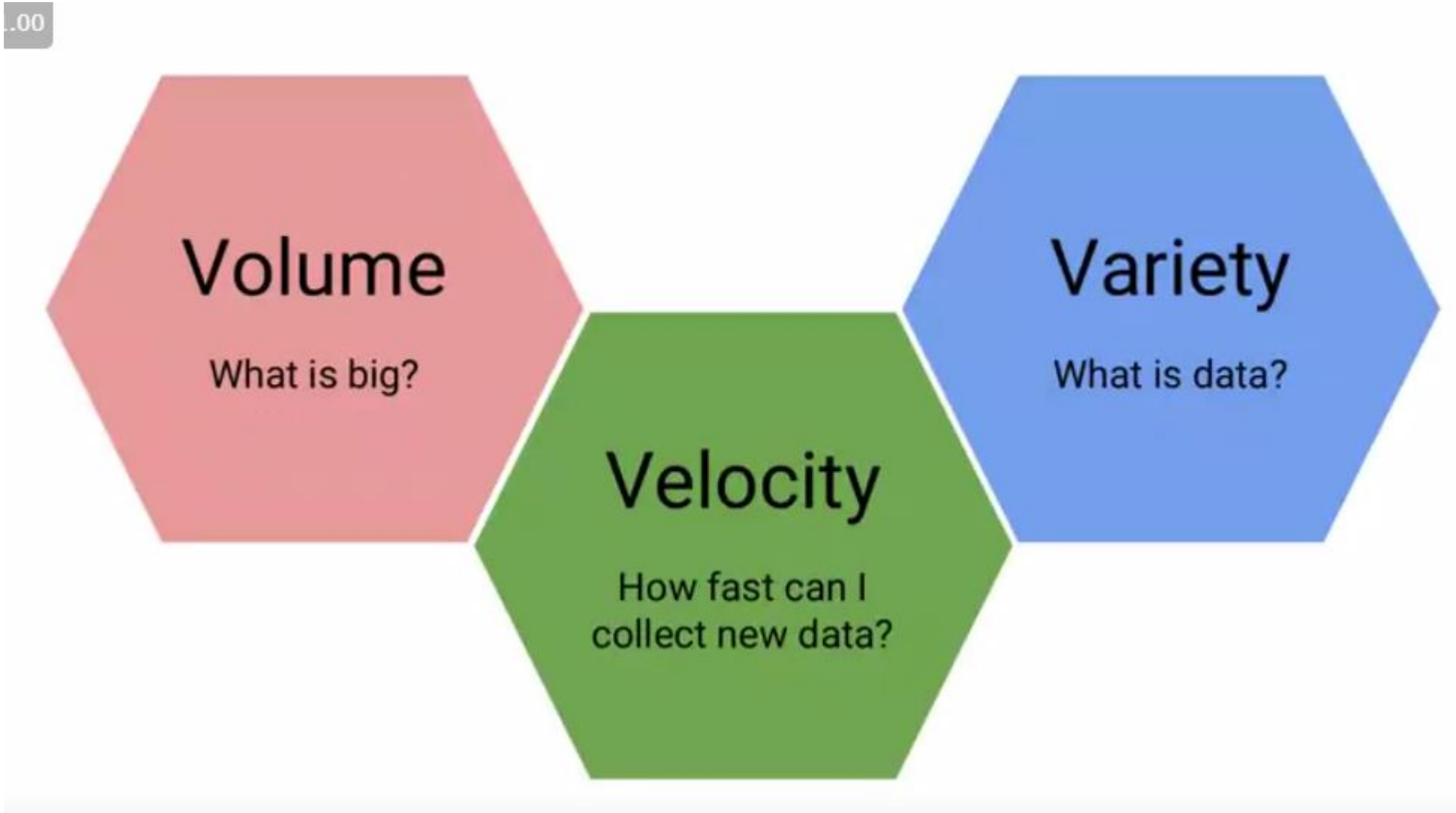
```
# Header level 1
## Header level 2
### Header level 3...
```

→

# Header level 1

## Header level 2

### Header level 3...

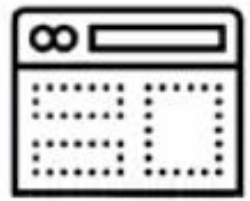

Volume
What is big?
Velocity
How fast can I collect new data?
Variety
What is data?

# Structured data

| Name | Country of origin | Sex | Weight (kg) | Height (cm) |
|---|---|---|---|---|
| A. Bee | Canada | M | 75 | 163 |
| C. Dee | UAE | M | 80 | 180 |
| E. Eff | China | F | 72 | 175 |
| G. Haitch | South Africa | F | 68 | 172 |
| I. Jay | Poland | M | 77 | 168 |
| K. Elle | Japan | N/A | 76 | 173 |
| M. Enn | Chile | M | 80 | 190 |

# Unstructured Data Types

Text files and documents



Websites and applications

Sensor data

Image files

Audio files

Video files

Email data

Social media data