230921lecture3_Rmarkdown_demo

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2023-09-21

R Markdown

Level 1 heading (##)

Level 2 heading (###)

Level 3 heading (####)

Level 4 heading (#####)   Main text blah blah blah
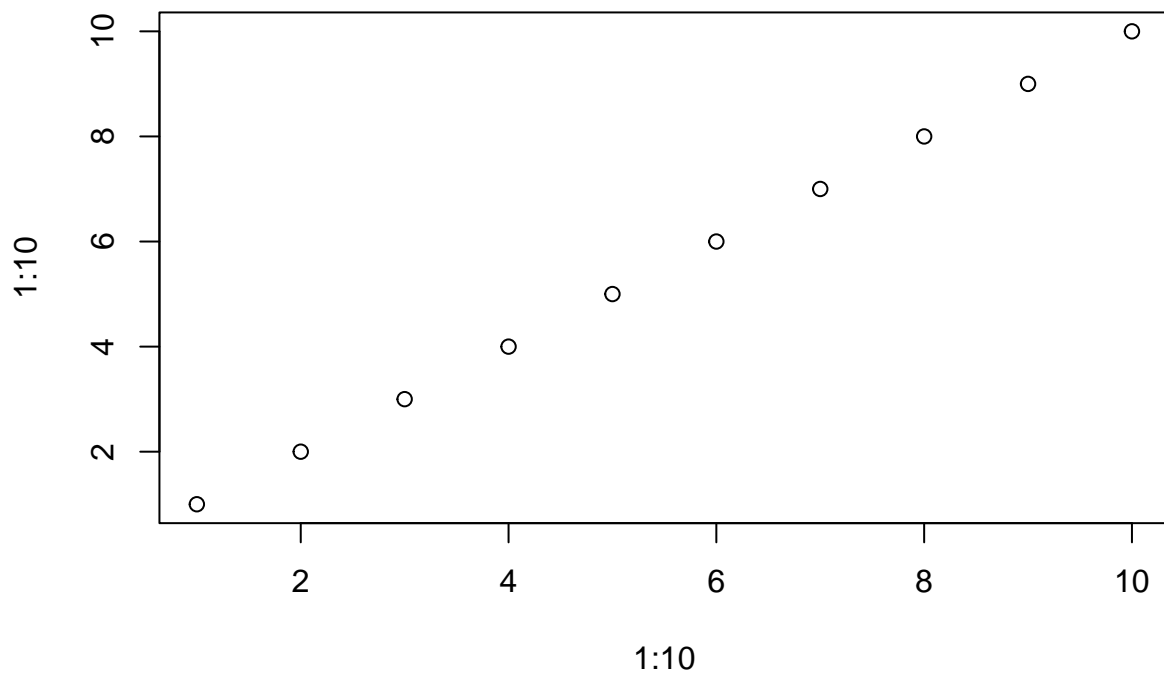
Adding code to your document

```r
log(50)
```

```
## [1] 3.912023
```

```r
1+1
```

```
## [1] 2
```

Output Figures

```r
plot(1:10, 1:10)
```

Display Data

```
cars
```

```
##    speed dist
## 1      4    2
## 2      4   10
## 3      7    4
## 4      7   22
## 5      8   16
## 6      9   10
## 7     10   18
## 8     10   26
## 9     10   34
## 10    11   17
## 11    11   28
## 12    12   14
## 13    12   20
## 14    12   24
## 15    12   28
## 16    13   26
## 17    13   34
## 18    13   34
## 19    13   46
```

```
## 20     14     26
## 21     14     36
## 22     14     60
## 23     14     80
## 24     15     20
## 25     15     26
## 26     15     54
## 27     16     32
## 28     16     40
## 29     17     32
## 30     17     40
## 31     17     50
## 32     18     42
## 33     18     56
## 34     18     76
## 35     18     84
## 36     19     36
## 37     19     46
## 38     19     68
## 39     20     32
## 40     20     48
## 41     20     52
## 42     20     56
## 43     20     64
## 44     22     66
## 45     23     54
## 46     24     70
## 47     24     92
## 48     24     93
## 49     24    120
## 50     25     85
```

In-line R code

Scientific research shows that $12223 + 12111 = 2.4334 \times 10^4$

$876549 + 45678987 = 4.6555536 \times 10^7$

$4*7834209 = 3.1336836 \times 10^7$

Installing "TinyTex"

```
# install.packages("tinytex")
# tinytex::install_tinytex()
```