

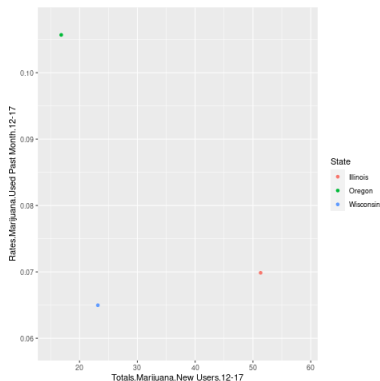
Entering the gganimate-trix

MATH 3570 Team 5

2022-16-05

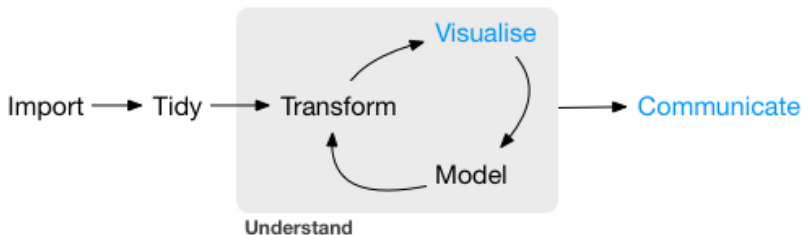
What is gganimate?

- Extension package used with ggplot2
- Used to make animations using ggplots
 - Can also save rendered plots as gifs



Why use gganimate?

- Offers simple and easy to implement functions for adding animations
- Can improve visualization of change in data
- Adds to presentation of data



gganimate Basics & Examples

- gganimate is primarily applied to ggplot objects by specifying transitions to use
- There are 4 primary transition functions that will be covered:
 - `transition_time()`
 - `transition_reveal()`
 - `transition_filter()`
 - `transition_states()`

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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.

Slide with Bullets

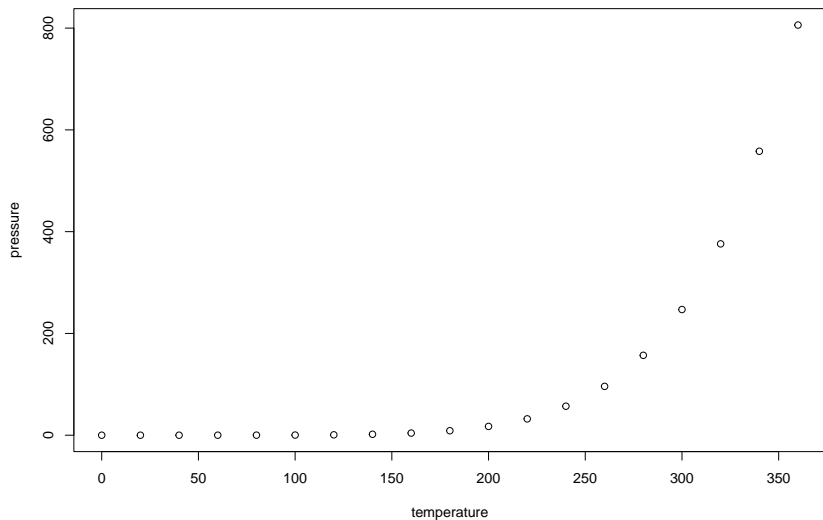
- Bullet 1
- Bullet 2
- Bullet 3

Slide with R Output

```
summary(cars)
```

##	speed	dist
##	Min. : 4.0	Min. : 2.00
##	1st Qu.:12.0	1st Qu.: 26.00
##	Median :15.0	Median : 36.00
##	Mean :15.4	Mean : 42.98
##	3rd Qu.:19.0	3rd Qu.: 56.00
##	Max. :25.0	Max. :120.00

Slide with Plot



Transition States

- `transition_states()` is useful for non-time related transitions between data
- Also can make use of other fields or options to improve animation

