

Assignment 7: Who busts the Mythbusters?

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Exercise 1

- Explanatory variable: group (Control vs. Treatment)
- Response variable: yawn (yes/no)
- Success: yawn = yes

Exercise 2

- iv. The difference in proportions of yawns between the treatment and control groups

Exercise 3

```
experimental_data %>%  
  specify(yawn ~ group, success = "yes")
```

yawn	group
no	Control
no	Control
no	Treatment
no	Control
no	Treatment
no	Control
no	Treatment
no	Treatment
yes	Treatment
no	Control
no	Treatment
no	Treatment
yes	Treatment
no	Control
no	Treatment
yes	Treatment

yawn	group
no	Control
yes	Control
yes	Control
no	Treatment
no	Treatment
no	Treatment
no	Control
yes	Treatment
no	Control
no	Treatment
yes	Control
yes	Treatment
no	Treatment
no	Control
no	Treatment
yes	Treatment
no	Treatment
no	Control
no	Treatment
no	Treatment
no	Treatment
no	Treatment
yes	Treatment
no	Treatment
no	Treatment
no	Treatment
no	Treatment
yes	Treatment
no	Treatment
no	Treatment
yes	Treatment
no	Control
yes	Treatment
yes	Control

Exercise 4

Exercise 5

Exercise 6

Exercise 7

Exercise 8

Exercise 9

Exercise 10

Exercise 11

Academic Integrity statement