

# 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

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
no	Control
yes	Control
yes	Control
no	Treatment

yawn	group
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
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

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

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

**Exercise 5**

**Exercise 6**

**Exercise 7**

**Exercise 8**

**Exercise 9**

**Exercise 10**

**Exercise 11**

**Academic Integrity statement**