

Let's Talk About Sex

Team POWER: Max Bartlett, Jenny Chin, Liam Pulsifer

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Overview

Shiny App

Findings

Conclusion

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Our data

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- 14 questions, short Qualtrics survey
- Surveyed ~400 people
- Cleaned data
- Our motivating question

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Findings - Summary Statistics

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```
## # A tibble: 1 x 8
##       max    min  mean median    sd   q1   q3  num
##   <dbl> <dbl> <dbl>  <int> <dbl> <dbl> <dbl> <int>
## 1   36.     0.  4.41     2  5.81    1.  5.50  319

## # A tibble: 1 x 8
##       max    min  mean median    sd   q1   q3  num
##   <dbl> <dbl> <dbl>  <int> <dbl> <dbl> <dbl> <int>
## 1   25.     0.  3.22     2  4.53    1.    4.  317
```

Figure 1: Summary Statistics of Sexual Partners (total and in high school)

Findings - Abstinence

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```
## # A tibble: 3 x 2
##   partner_group      n
##   <chr>          <int>
## 1 Not sexually active in high school and college    59
## 2 Sexually active in high school and college    239
## 3 Sexually active in high school and not sexually active in college    19
```

Figure 2: Sexual Activity Groupings

Findings - Major

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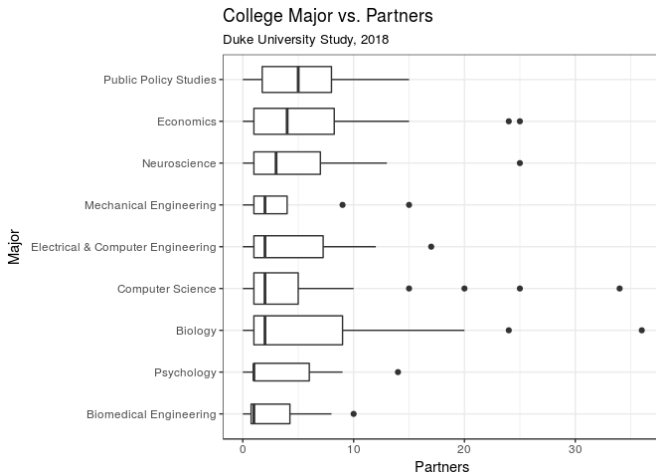


Figure 3: Sexual Activity By Major

Findings - School

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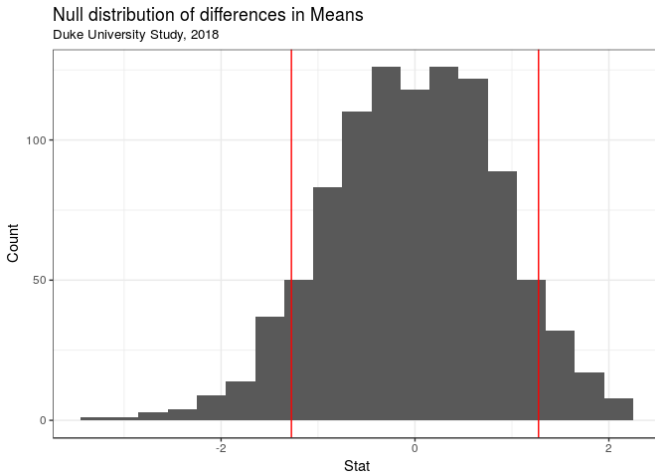


Figure 4: Sexual Activity by Trinity vs. Pratt

Findings - Greek Life

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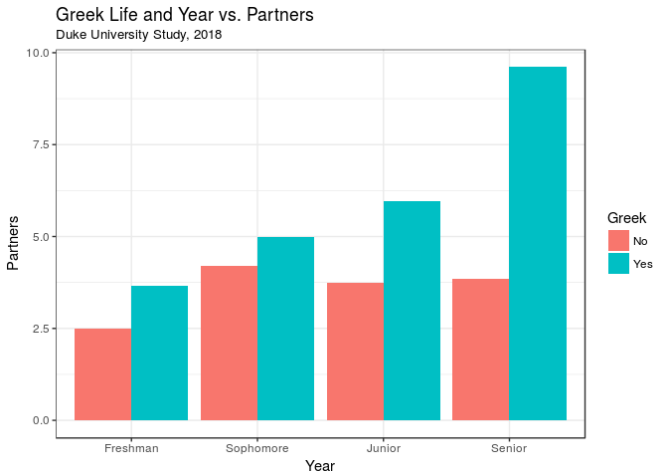


Figure 5: Sexual Activity by Involvement in Greek Life

Findings - Forward Selection Linear Model

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```
##  
## Call:  
## lm(formula = partners ~ religion + greek + athlete + politics,  
##     data = sex_survey)  
##  
## Coefficients:  
##               (Intercept)  
##                8.3296  
##      religionChristianity  
##                -7.6823  
## religionChristianity and Buddhism  
##                -8.3296  
##      religionHinduism  
##                -9.4628  
##      religionIslam  
##                -5.8311  
##      religionJudaism  
##                -5.4114  
##      religionOther  
##                2.4605  
##      greekYes  
##                3.4255  
##      athleteYes  
##                3.6021  
## politicsNeither, Somewhat Liberal  
##                -0.6473  
## politicsSomewhat Conservative  
##                3.0588  
##      politicsSomewhat Liberal  
##                0.6704  
## politicsSomewhat Liberal, Very Liberal  
##                5.9272  
##      politicsVery Conservative  
##                -1.1225  
##      politicsVery Liberal  
##                1.2099
```

Figure 6: $\text{Adj. } R^2 = 0.2147764$

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Critiques

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- Voluntary response bias
- Definition of sexual partner
- Privacy