

# Let's Talk About Sex

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Let's Talk  
About Sex

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Liam Pulsifer

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Shiny App

Findings

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# Overview

# Our data

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

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# Shiny App

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# Findings

# 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 college)

# 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 - Religion and Abstinence

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```
## # A tibble: 2 x 2
##   religious      n
##   <chr>      <int>
## 1 No         36
## 2 Yes        22
```

**Figure 3:** Sexual Activity Groupings



# Findings - Major

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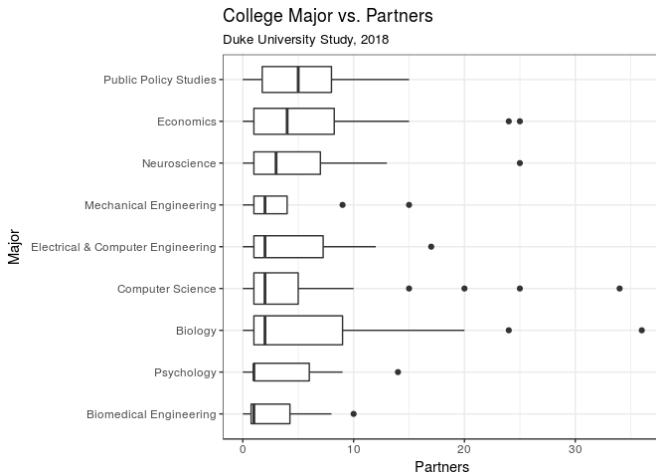
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**Figure 4:** Sexual Activity By Major

# Findings – Trinity vs. Pratt Summary Statistics

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```
## # A tibble: 2 x 9
##   school    max    min  mean median    sd    q1    q3   num
##   <chr>  <dbl> <dbl> <dbl>  <dbl> <dbl> <dbl> <dbl> <int>
## 1 Pratt    17.     0.   3.55     2.   4.05     1.   4.50     55
## 2 Trinity  36.     0.   4.82     2.   6.27     1.   6.00    244
```

**Figure 5:** Sexual Activity By Major

# Findings - Trinity vs. Pratt Differences in Means

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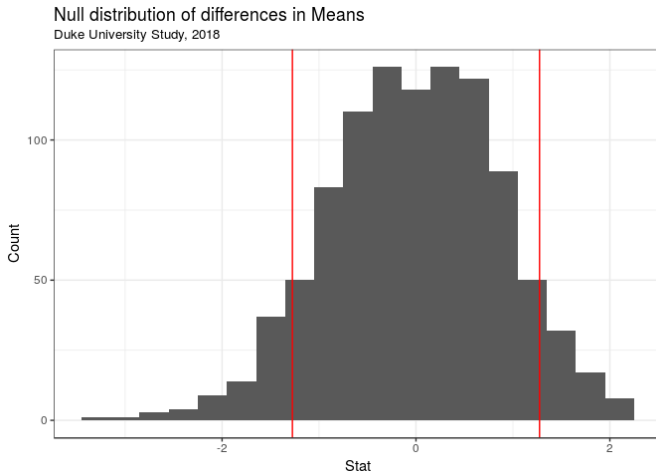
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**Figure 6:**  $p\text{-value} = 0.132$

# Findings - Greek Life

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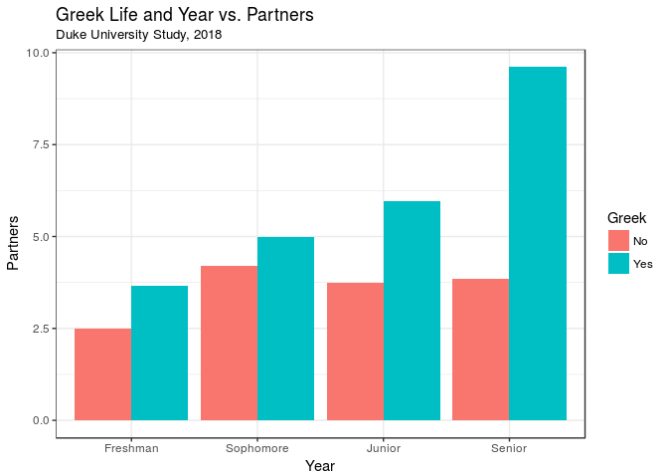
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**Figure 7:** Sexual Activity by Involvement in Greek Life

# Findings - Greek Life Difference in Means

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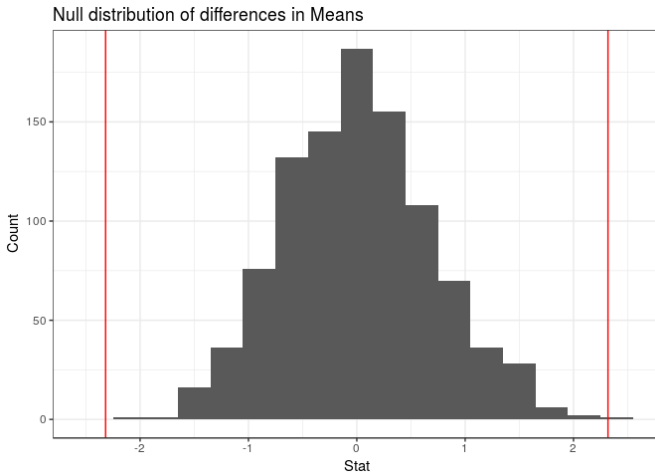
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**Figure 8:**  $p\text{-value} = 0$

# 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 9:**  $\text{Adj. } R^2 = 0.2147764$

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# Conclusion

# Critiques

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- Voluntary response bias
- Definition of sexual partner
- Privacy