# SIGSCE Replication

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## Data setup

```r
setwd("~/Desktop/OnTrack")

merged_prototype <- read.csv("merged_prototype.csv")
sigcse_dependent_variables <- read.csv("sigcse_dependent_variables.csv")

merged_prototype_students <-
  merged_prototype %>%
  filter(ca_consent == "True")
```

## Page 4 Table 1: Control and Treatment Groups A/B Comparisons: Start and End Times

```r
kable(table_1)
```

| control_vs_treatment | mean | sem | n | mean | sem | n | mean | sem | n | mean | sem | n |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Email | 46.03 | 1.51 | 504 | 41.36 | 1.40 | 561 | 26.85 | 1.18 | 504 | 24.12 | 1.07 | 561 |
| No email | 45.74 | 1.43 | 355 | 37.16 | 1.32 | 437 | 29.13 | 1.18 | 355 | 23.67 | 1.05 | 437 |

## Page 5 Table 3: Email Versions A/B Comparisons: Start and End Times

```r
kable(table_3)
```

| email_group | mean | sem | n | mean | sem | n | mean | sem | n | mean | sem | n |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wednesday afternoon | 46.73 | 1.52 | 165 | 41.67 | 1.40 | 185 | 29.21 | 1.23 | 165 | 26.05 | 1.12 | 185 |
| Wednesday evening | 46.66 | 1.61 | 165 | 41.42 | 1.48 | 196 | 25.69 | 1.21 | 174 | 22.81 | 1.09 | 196 |
| Thursday afternoon | 44.68 | 1.41 | 165 | 40.96 | 1.31 | 180 | 25.71 | 1.08 | 165 | 23.57 | 0.99 | 180 |

# Page 5 Table 4: Email Versions A/B Comparisons: Attempt, Completion and Link Click Rates

```
kable(table_4)
```

| email_group | proportion_attempted | proportion_completed | n |
|---|---|---|---|
| Wednesday afternoon | 0.89 | 0.54 | 185 |
| Wednesday evening | 0.89 | 0.40 | 196 |
| Thursday afternoon | 0.92 | 0.51 | 180 |