

# Your project title

Team Name: Team member 1, Team member 2, Team member 3, Team member 4

Invalid Date

```
Rows: 634
Columns: 15
$ subject_id      <dbl> 185, 158, 209, 102, 174, 184, 255, 265, 343, 137~
$ study           <dbl> 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, ~
$ cohort          <chr> "lac1", "lac1", "lac1", "lac1", "lac1", "lac1", ~
$ demo_race       <dbl> 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, ~
$ demo_gender     <dbl> 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, ~
$ demo_firstgen   <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, ~
$ bedtime_mssd    <dbl> 0.11672695, 0.14168084, 1.52928949, 0.13014845, ~
$ TotalSleepTime  <dbl> 432.2000, 391.9310, 344.3043, 392.6207, 423.4211~
$ midpoint_sleep  <dbl> 458.6600, 364.4655, 560.8913, 416.4828, 368.7632~
$ frac_nights_with_data <dbl> 0.8620690, 1.0000000, 0.7931034, 1.0000000, 0.65~
$ daytime_sleep   <dbl> 24.160000, 13.137931, 14.956522, 54.551724, 10.5~
$ cum_gpa         <dbl> 3.00, 3.66, 3.57, 3.61, 3.21, 3.20, 3.40, 3.86, ~
$ term_gpa        <dbl> 3.38, 2.60, 3.07, 3.56, 4.00, 3.36, 3.19, 3.28, ~
$ term_units      <dbl> 73, 64, 63, 61, 61, 60, 60, 60, 60, 59, 59, 58, ~
$ Zterm_units_ZofZ <dbl> 4.0552949, 2.4825341, 2.3077829, 1.9582805, 1.95~
```

Your written report goes here!

## ! Important

Before you submit, make sure your code chunks are turned off with `echo: false` and there are no warnings or messages with `warning: false` and `message: false` in the YAML.

Exploratory Data Analysis

Clean Data

Rows: 634

```

Columns: 16
$ subject_id      <dbl> 185, 158, 209, 102, 174, 184, 255, 265, 343, 137~
$ study           <dbl> 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, ~
$ cohort          <chr> "lac1", "lac1", "lac1", "lac1", "lac1", "lac1", ~
$ demo_race       <dbl> 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, ~
$ demo_gender     <dbl> 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, ~
$ demo_firstgen   <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, ~
$ bedtime_mssd    <dbl> 0.11672695, 0.14168084, 1.52928949, 0.13014845, ~
$ TotalSleepTime  <dbl> 432.2000, 391.9310, 344.3043, 392.6207, 423.4211~
$ midpoint_sleep  <dbl> 458.6600, 364.4655, 560.8913, 416.4828, 368.7632~
$ frac_nights_with_data <dbl> 0.8620690, 1.0000000, 0.7931034, 1.0000000, 0.65~
$ daytime_sleep   <dbl> 24.160000, 13.137931, 14.956522, 54.551724, 10.5~
$ cum_gpa         <dbl> 3.00, 3.66, 3.57, 3.61, 3.21, 3.20, 3.40, 3.86, ~
$ term_gpa        <dbl> 3.38, 2.60, 3.07, 3.56, 4.00, 3.36, 3.19, 3.28, ~
$ term_units      <dbl> 73, 64, 63, 61, 61, 60, 60, 60, 60, 59, 59, 58, ~
$ Zterm_units_ZofZ <dbl> 4.0552949, 2.4825341, 2.3077829, 1.9582805, 1.95~
$ university      <chr> "stem_priv", "stem_priv", "stem_priv", "stem_pri~

```

#### Bivariate EDA of Response & Key Predictor Variables







