**Project Proposal**

Elisabeth Esson and Alexa Raper

**Describe the population of interest and the primary outcome variable.**The population of interest is Trinity Western University student residents. What we are trying to find out is the relationship between student sleep habits and the students GPA.

**Describe the predictors and the nature of the relationships that you think those predictors will have with the outcome, e.g., "we think that increased corporate taxes lead to increased unemployment rate".**We think that when people get closer to the recommended hours of sleep per night, they will be more successful in their academic related activities.

**Describe the unit of observation and possible sampling strategy: e.g., the unit of observation might be per-person, or per-company, or per-country, or even per-year (for time-series).**The unit of observation and possible sampling strategy that will be used to collect our data will be per-person.

* + **Describe your plan for where to get the data:  
    If you will use existing data, what sources have you already explored?**The way that we plan on retrieving our data will be through personal communication with Trinity student residents. We will be approaching students in various areas such as the dorms, lounges, classrooms and apartments.
  + **-If you will be gathering your own data, what is your plan?**Our plan is to collect the data from student residents by approaching them in the different resident buildings that are on campus such as in the main lounges. We will provide the students with an opportunity to either participate or not participate in our survey. The information that we gather will be kept confidential and in a file folder which will be used for further analysis. We will also ask of the participants to fold the survey and put it in an envelope to provide them with as much confidentiality as possible for the sake of their own comfort.

**Discuss a preliminary plan to divide the work amongst your team members.**Each team member will be participating in the collection of data and in the analysis aspect once the data has been gathered. Each member will be responsible for collecting at least 40 surveys from different residents on campus and each member is responsible for keeping the information confidential and secure.   
Once the data has been collected, one person will be responsible for transmitting the data given on to an excel spread sheet and the other will be in charge of taking the analyzed data and transferring it in to a presentable manner for the class presentation.  
The team will be responsible for putting together a presentation that has to do with the data given and the final analysis. Once all of the information and data is analyzed, we will then compare our hypothesis with the results that the data provides us with.