***PLANNING TEMPLATE***

**Goal**

**My Question(s)**:

**Written as a Statistical Questions (number if multiple):**

**What data do you plan on collecting?**

**Specify the variable(s):**

**Potential ways to measure** (if survey *see survey/data handout* regarding goals and questions):

**What type of data will it be?** (Continuous or Categorical? Nominal, Ordinal, Interval-Ratio?)

**Descriptive STATISTICS**

**How do I learn about each variable in my study?**

**What is the population size (if known)?**

**How will I report sample size “n”, and response rate (if needed, N known)?**

**How will I report how many if categorical?**

**What measure of *Central tendency* would I use?**

**What measure of *Variability* would I use?**

**If interested in *Relative comparison* what measure would I use?**

**INFERENTIAL STATISTICS**

**How can each statistical question be tested so I can infer for similar settings?**

**What type of test fits the question being asked?**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **“Variable 1”** |  | **“Variable 2”** |
| ***Difference test*** |  |  |  |
| Do / Does |  | differ in terms of |  |
| ***Association test*** |  |  |  |
| Is / Does |  | related to / predict |  |

**What is the role of each Variable?**

**Is any variable measured more than once (*Repeated measure)?***

**What statistical inferential test can be used for each statistical question?** (see Decision Tree)

**Is it the best test to use?** (According to the Table of Statistical Test)

**How will I compute and report effect size if needed for this type of study and topic?**

**Data Entry (see survey/data handout)**

**How will I code, enter, format and store data?**

**What program/method will I use for analysis? Any specific data format requirements?**

**Data Screening before analysis (see survey/data** **handout)**

**Outliers – will I delete/not-analyze outliers? (yes, no, depends - specify)**

**Missing data – how will I handle missing data?**

**Restricted range, ceiling effects or floor effects** - How will I reduce risk? check? Manage?

**Validity – how will I check for validity?**

**Reliability – how will I check for reliability?**

**Multi-item scales - How to test their ability to assess the concept?**