Group Project Data Analysis Plan -
Due Tues, 4/3 (5 points)
Each group must submit a data analysis plan and review it with the instructor.
I. Hypotheses:
Provide a complete description of the hypotheses of your study.
- IV(s) & DV(s) and how they are operationalized.
  (Note for self report measures be sure to include a complete description of the
  scales/subscales that are being used)
- Description of the predicted relationship between each IV and DV and a rationale for the prediction.
II. Data Analysis Plan
A. Preliminary Analyses
1. Scale Computation - for all multi-item measures (e.g., self-report measures and
   summed/averaged scores), outline the manner in which scales will be computed. For each
   scale indicate the following.
   - The item number that are included in the scale
   - Items that will be reversed (and reversal coded [e.g. 8-score]).
   - How scale score will be formed (Summed vs. Averaged).
   - Reliability Analyses to be conducted (i.e., Cronbach’s Alpha).
     - you only need these if all the summed/averaged items reflect a single
       dimension.
2. Descriptive Analyses
   - All variables for which Descriptive Analyses (means, sums, standard deviations,
     variance, range, min, max, skewness, & Kurtosis) will be run: essentially all the
     Continuous Variables (Scores).
   - All variables for which Frequency Analyses will be run: essentially all the Discrete
     Variables (Groups).
3. Demographic Analyses (Content Analysis Groups wont have these)
   - Compare all the main variables (IVs and DVs) with the Demographic Variables
     (treat the demographics as the IVs for each analysis).
   - Focus on Sex, Age, and GPA - the other variables (ethnicity, class rank) tend to
     have too few members in many of the groups (e.g. ethnicity - too few non-whites) to
     conduct proper analyses.
   - For each analysis (e.g. Sex & IV1) report the following:
     - Type of variable (Discrete/Group vs. Continuous/Score) each variable
       represents.
     - Type of Analysis that will be used (e.g., Chi-Square, t-test, ANOVA,
       correlation, etc.).
4. Main Analysis
   - List the analyses that will be conducted to test the hypotheses proposed in Part I
     above.
   - For each analysis:
     - Indicate the type of variables (Discrete/Group vs. Continuous/Score)
       involved.
     - Indicate the type of Analysis that will be use: E.g. Pearson’s correlation, t-
       test, ANOVA, Repeated Measures ANOVA, Factorial ANOVA, Mixed
       Design Factorial ANOVA.
     - Note for the ANOVAs (one-way and factorial) be sure to indicate the
       types of Planned Comparison or Post Hoc tests that will be used,
       where appropriate (e.g. three or more groups in a given variable).