Mrs. Daniel- AP Stats
Statistics Survey Project

During this project your group will develop and conduct an 8-10 question survey of at least 40 of your peers. In addition to your 8-10 content questions, you need to include one master demographic question (gender, age, grade level, etc.)

Your survey should be about a policy/policies either here at ATM (dress code, lunch, senior events, tardy policy, absence policy, ID policy, school safety, parking lot policy, traffic, etc.) or local/state/federal policies that apply to teenagers (college admissions, drinking age, legalization of marijuana, driving regulations/rules, gun regulations, school safety, etc.). All survey topics must be school appropriate.

Example survey questions and answer format styles are available on my website (look under course documents).

Your group will then analyze the data and develop compelling graphical representations of your findings. Based on your findings your group will then make policy recommendations. All final projects will be presented via an interesting and well-designed PowerPoint presentation. Presentations will start on Wednesday, May 30 and continue Tuesday, June 5. Groups may be between one and three people.

The entire project is worth 175 points. The draft survey is worth 25 points and final project is worth 150 points. Late projects will not be tolerated.

Draft surveys are due for approval: by 7:20am on Monday, April 23, via email and will be assessed on:
- Thoughtfulness of questions
- Overall survey topic
- Grammar and spelling
- Development of appropriate style/format of questions and answer choices

Your survey MUST be approved before survey administration.

Final Project Components: (DUE: June 1, 2018)
- PowerPoint Presentation of findings (sent via DropBox link*) (95 points)
- Excel spreadsheet with all data(sent via DropBox link*) (10 points)
- Typed Survey questionnaire (sent via DropBox link*) (5 points)
- 8-10 minute in-class presentation of findings and envelope of raw, completed surveys (40 points)

Final Stats Survey Project Grading Breakdown (150 points):

1. PowerPoint Presentation of findings (max 95 points)
   Assessed on:
   - Quality of Mathematical and Graphical Analysis in PowerPoint (35 points)
     - Appropriate type of graph selected by on question
     - Variety of graphical representations used
     - Quality of comprehensive recommendations based on data
   - Visual Appeal & Quality of Construction of PowerPoint (30 points)
     - Slide Transitions
     - Background
     - Font/Colors (font size is readable from back of classroom)
     - Images, where appropriate
     - Design elements support, not distract
- Quality of PowerPoint Content (30 points)
  - Spelling and grammar
  - Clear and concise writing
  - Inclusion of all required elements

Required Elements in the PowerPoint Presentation of Findings:

- **Slide 1**: Title of Project, Group Member Names, Date, “Mrs. Daniel- AP Statistics”
- **Slide 2**: Executive Summary: 3-5 sentence summary of entire project, including results
- **Slide 3**: Summary of Research Question/s (2-3 sentences)
- **Slide 4**: Explanation of why your group selected this specific topic (2-3 sentences)
- **Slide 5**: Demographic Overview (gender, grade level, etc.)
- **Slides 6-15**: Data Review; each slide must include the exact question asked, a graphical representation of the responses (the graph must have a key) and a one to two sentence discussion of the results. Things to consider: correlations between demographics and answers, were the results expected or unexpected, thoughts on why the data was distributed as it was, etc.
- **Slide 16**: Potential sources of bias and/or errors in the survey writing
- **Slides 17-19**: Using the data gathered in your survey, what changes/improvements should be made? What policies are effective? Include three to four recommendations and/or suggested changes in policy based on survey results.
- **Slide 20**: Suggestions for further investigations/future surveys

2. 8-10 minute in-class presentation of findings (max 40 points)
   Assessed on:
   - Thoroughness and thoughtfulness of discussion
   - Effort
   - Demonstration of deep understanding of entire presentation
   - Preparation and adherence to time limit
   - Envelope of completed/filled out surveys
   - Entire group participation

3. Chart/spreadsheet (Excel) with all data (max 10 points)
   Assessed on:
   - Neatness, legibility and ease of understanding
   - Well labeled
   - Submitted via DropBox Link*

4. Final Survey Questionnaire (max 5 points)
   - Submitted via DropBox Link*

* I will accept submissions in the following file formats: .doc, .ppt, .pptx, .pdf, .xlsx and .xls. If you use Apple software like Pages, KeyNote and Numbers or OpenOffice/GoogleDoc, please submit your files as PDFs.