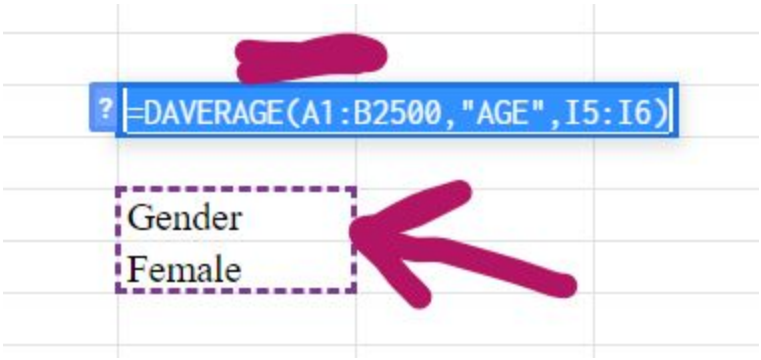
I. **Part 1: Basic data**

A. The number of "Young Independents" (20 and younger; live alone)
   1. Formula: `=COUNTIF(G2:G2500,"=Yes")`
   2. Result: 752

B. Mean age of all females
   1. Formula: `=DAVERAGE(A1:B2500,"AGE",I5:I6)`
      a) Headings included when using this formula
      b) "I5:I6" is the criteria that I made a new cellset for:



   2. Result:
      a) Decimal form: 22.1838565
      b) Rounding down: 22 (years old)

C. Median Income Wage of those who did not go to college
   1. Formula: `=MEDIAN(F2:F2500)`
   2. Result: 14000 (dollars)

D. The median Household Income of African American females. (Hint: you may want to create an intermediary column to calculate this)
   1. Formula:
   2. Result:

II. **Part 2:** "Next, please create a pivot table that grabs all the data. Put "Education Level" in values. Put the appropriate variable(s) in legend and axis to calculate the following: (Round to the nearest hundredth of a decimal if necessary)"

A. The number of males who only completed high school
   1. Formula:
   2. Result:

B. The number of Asian females who went to college
   1. Formula:
   2. Result:

C. Of all American Indians, what percent only completed high school? (Hint: pretend there is a % sign after your number, e.g. enter 1/4 as 25.00, not as 0.25)
   1. Formula:

2. Result:

D. Of all White males, what percent attended college? (Hint: pretend there is a % sign after your number, e.g. enter 1/4 as 25.00, not as 0.25)
    1. Formula:
    2. Result:

III. **Part 3**: In our sample, females are more likely to be college students than males. Is this observation consistent within all the races in our sample? Pick ALL races for which females are more likely to be college students. (Options given: African American, American Indian, Asian, White, Other)

IV. **Part 4**: Create a pivot CHART to show your answer to the previous question graphically. Use the provided upload box to submit your pivot chart—you should be able to upload a screenshot, the Excel file, print it to a PDF, whatever works for you. (Hint: Your pivot chart should be a bar graph comparing the percentage of college students in each gender by race)