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Mini-project #1

1. Using counties as my geographic determinant, I downloaded datasets for each possible combination of the following variables and subgroups from the Opportunity Atlas.
   1. **Variables:** Average annual household income, High schools graduation rates, and Four-year college graduation rates
   2. **Subgroups:** 25th percentile parent income, 50th percentile parent income, 75th percentile parent income, and All parent income percentiles
2. I ended up with a total of 12 datasets. Using the VLOOKUP function, I then compiled all of the datasets into a single spreadsheet, using the unique county code, present in every dataset, in order to do so.
3. Next, I used the “Text to Column” option to separate the state abbreviations from the county names and transfer them from Column B to C.
4. Then, using the IF function, I created two new columns, D and E, in order to filter the counties by name and state for my chosen hometowns: Baltimore County and Baltimore City.
   1. Column D has an IF function that returns “yes” for every instance of “MD” in Column C.
   2. Column E returns “yes” for every instance of either “Baltimore County” or “Baltimore City” in Column B.
5. Next, I created PIVOT tables to visualize the following correlations:
   1. Effect of hometown and parent income percentile on **adult household income**
   2. Effect of hometown and parent income percentile on **high school graduation rates**
   3. Effect of hometown and parent income percentile on **four-year college graduation rates**