**BACKGROUND**

Here is another finished Guided Project initiated while finishing the course “Exploratory Data Visualization”. For this project, the data originally used for Ben Casselman’s story entitled [The Economic Guide To Picking A College Major](https://fivethirtyeight.com/features/the-economic-guide-to-picking-a-college-major/) was used. The original data sets were downloaded from the American Community Survey 2010-2012 Public Use Microdata Series, but was cleaned for the analysis used in the story. For the guided project, the cleaned data was downloaded from [fivethirtyeight’s github repository](https://github.com/fivethirtyeight/data/tree/master/college-majors) and used for the purpose of education.

**DESCRIPTION**

For this guided project, there was less coding because the plotting was mostly accomplished through extensive use of pandas.DataFrame.plot(). The plots produced by \*.plot() include scatter plots, grouped bar plots, box plots, and one hexagonal bin plot. Histograms were generated by pandas. Series.hist() while combination histogram and scatter plots were generated by the scatter\_matrix method.

While coding was de-emphasized, interpretation of results played a more prominent role in the project. Analysis for the first part was guided by questions such as:

1. Do students that majored in subjects that were majority female make more money?
2. What's the most common median salary range?
3. What percent of majors are predominantly male?

For the next steps part of the project, a more experimental approach was used where some exploration was performed merely to satisfy curiosity.

**FILES**

The following files are included in this project:

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| FILE NAME | DESCRIPTION |
| Guided\_Project\_Recent\_Grads.ipynb | The Jupyter Notebook version of the project. |
| recent-grads.csv | The data set in \*.csv format |
| Guided\_Project\_Recent\_Grads.html | The project in html format for easy viewing |
| GP\_RECENTGRADS\_README.docx | Short documentation for the project. |