

## ITSE 1302 – Assignment 14

### General Points

- Use the course material located at:
  - [Python Data Science Handbook](#)
- Assignment 14 can be completed using previously covered material and content from the following chapters:
  - 00.00-Preface *through* 04.15-Further ResourcesAfter completing requirements, test to ensure all cells run correctly in the .ipynb file.
- Include appropriate markdown cells to identify the requirements below by number. See this [example](#).
- Produce an .html file that shows the .ipynb after a *successful test run*.
  - by File | Download as | HTML (.html) .
- Test the .html file by opening it in a browser and ensure the content is produced correctly from the run in Jupyter Notebook.
- Submit BOTH the .ipynb and .html files to the appropriate link in Blackboard | Assignments. Submit the .html file as a .zip file to pass security settings. Submit other files individually.
- Submit any additional files required to complete the assignment.

## Requirements

*(Ensure that all Requirements are complete)*

1. Using Jupyter Notebook (or similar tool), create a file named:
  - assignment-14.ipynb
2. Add an H1 markdown: “This is Assignment 14 - <yournamehere>”
3. Congratulations! You have been selected to apply to the Fortune Fifty® company, *Data Material Designs*, for the position, Data Analyst 1. The company offers the following benefits:
  - Work for a recognized leader in data analytics

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- Highly competitive professional salary
- Exceptional benefits including generous paid vacations
- Work on exciting data related world challenges
- Multiple campuses in vibrant world capitals
- Significant advancement opportunities based on performance
- Travel opportunities and remote work options

To complete your application, please do the following:

- Supply a .ipynb file (and .html file) demonstrating your understanding and skills acquired from exposure to material covered in your course, ITSE 1302
  - Include markdown cells to explain the code cells
  - Include NumPy, Pandas, Seaborn, and Matplotlib examples
  - Use Seaborn dataset(s) or any dataset(s) of your choosing to demonstrate your data work
4. In markdown, explain what grade (A-F) you would assign the work you submitted in Assignment 14.
  5. Use markdown to include a statement at the end of assignment-14.ipynb explaining your experiences with Assignment 14. Make this authentic (minimum of 2-3 sentences).

Note: grading of Assignment 14 is subjective. Good work that clearly demonstrates thought and effort will earn a good grade. You are applying for a superior employment opportunity.

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**TEST – TEST – TEST** your .ipynb file to ensure all requirements are met.

Produce an .html file from a *successful test run* of the .ipynb file. Ensure that the .html is produced correctly by opening it in a browser.

- Use the list above as a confirmation checklist.
- Not meeting all requirements = 0 points for the assignment.