

Ateneo de Manila University
Department of Quantitative Methods and Information Technology

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Instructions

- Accomplish the document completely
 - Save the document as a .pdf file with the following name format:
215219_SA1_ADHOCANALYSIS
 - Attach this document to each course requirement submission unless otherwise specified by the Course Instructor
-

Certification

I hereby certify that the submission described in this document abides by the principles stipulated in the student handbook.

I further certify that I am the author of this submission and that any assistance I received in its preparation is fully acknowledged and disclosed in the documentation.

I have also cited all sources from which I obtained data, ideas, or words that are directly copied or paraphrased in this document. Sources are properly credited according to accepted standards for professional publication.

I am aware that any potential case of plagiarism or cheating (similar code) regarding my submission merits a 0 for the requirement and a disciplinary case filed to the Discipline Committee of the Loyola Schools.

Sources [Numerous articles(more than 20) from these websites were used to generate the code for this project. I simply generalized the different articles by their websites for the purpose of easy viewing. All articles from these websites expounded on these specific libraries: 1.) Pandas; 2.) Matplotlib; 3. Datetime; 4.) dataframe_image; and 5.) Numpy.]

1. <https://stackoverflow.com/>

Crucial Articles from Stack Overflow:

Student and Course Information

Course Code & Section	ITMGT 25.03-C
Course Instructor	Ramon Ilagan
Student's Full Name	Jose Gabriel A. Salvador
Signature	

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<https://stackoverflow.com/questions/37600711/pandas-split-column-into-multiple-columns-by-comma>

<https://stackoverflow.com/questions/25146121/extracting-just-month-and-year-separately-from-pandas-datetime-column>

<https://stackoverflow.com/questions/46431243/pandas-dataframe-groupby-how-to-get-sum-of-multiple-columns>

<https://stackoverflow.com/questions/12555323/how-to-add-a-new-column-to-an-existing-dataframe>

<https://stackoverflow.com/questions/13295735/how-to-replace-nan-values-by-zeroes-in-a-column-of-a-pandas-dataframe>

<https://stackoverflow.com/questions/47006617/finding-max-min-value-of-individual-columns>

2. <https://matplotlib.org/>

Crucial Articles from Matplotlib Website:

https://matplotlib.org/stable/gallery/pie_and_polar_charts/pie_features.html

3. <https://pandas.pydata.org/>

Crucial Articles from Pandas Website:

<https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.transpose.html>

<https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.where.html>

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4. <https://www.geeksforgeeks.org/>

Crucial Articles from geeksforgeeks:

<https://www.geeksforgeeks.org/how-to-create-a-pivot-table-in-python-using-pandas/>

<https://www.geeksforgeeks.org/bar-plot-in-matplotlib/>

<https://www.geeksforgeeks.org/how-to-drop-one-or-multiple-columns-in-pandas-dataframe/>

5. <https://numpy.org/>

Crucial Articles from Numpy Website:

<https://numpy.org/doc/stable/reference/generated/numpy.linalg.solve.html>

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Sources (cont.)

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