Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

Instructions

- Accomplish the document completely
- Save the document as a .pdf file with the following name format 202269_FINALPROJECT_COA (e.g. 12345_Assignment1_COA)
- 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

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

https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.fillna.html

https://matplotlib.org/stable/api/_as_gen/matplotlib.pyplot.yscale.html

https://stackoverflow.com/questions/63687789/how-do-i-create-a-pie-chart-using-categorical-data-in-matplotlib\

Student and Course Information

Course Code & Section	ITMGT 25.03-A
Course Instructor	Joseph Benjamin M G R. Ilagan
Student's Full Name	Agatha Fei A. Garduque
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https://stackoverflow.com/questions/44327999/python-pandas-merge-multiple-dataframes

https://stackoverflow.com/questions/43102734/format-a-number-with-commas-to-separate-thousands-in-python

https://intellipaat.com/community/49/how-do-i-sum-values-in-a-column-that-match-a-given-condition-using-pandas

https://stackoverflow.com/questions/45679552/how-do-i-change-the-font-family-of-matplotlib-bar-chart-labels

https://stackoverflow.com/questions/33217636/mean-calculation-in-pandas-excluding-zeros

https://www.youtube.com/watch?v=ZjQCPMO7LBE&t=402s

https://www.youtube.com/watch?v=0P7QnIQDBJY&t=1732s

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