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: 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; and 4.)dataframe_image.]

- 1. https://stackoverflow.com/
- 2. https://matplotlib.org/
- 3. https://pandas.pydata.org/

Student and Course Information

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

Ateneo de Manila University Department of Quantitative Methods and Information Technology

Certificate of Authorship

4. <u>https://www.gee</u> k	sforgeeks.org/
-----------------------------	----------------

Student and Course Information

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

Ateneo de Manila University Department of Quantitative Methods and Information Technology

Certificate of Authorship

Sources (cont.)

Student and Course Information

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