

Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

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.


Sources

<https://stackoverflow.com/questions/50863251/find-top-3-in-columns-of-a-dataframe-using-pandas>

<https://stackoverflow.com/questions/20490274/how-to-reset-index-in-a-pandas-dataframe>

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

Student and Course Information

Course Code & Section	ITMGT J
Course Instructor	Joben Ilagan
Student's Full Name	Kyle Bernard F. Almazan
Signature	

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<https://www.geeksforgeeks.org/how-to-rename-columns-in-pandas-dataframe/>

<https://stackoverflow.com/questions/34076177/matplotlib-horizontal-bar-chart-barh-is-upside-down>

<https://www.geeksforgeeks.org/how-to-get-rows-index-names-in-pandas-dataframe/>

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Sources (cont.)

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