

Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

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-

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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


[Python Lambda \(w3schools.com\)](https://www.w3schools.com/python/python_lambda.asp)

[Tutorials — Matplotlib 3.5.2 documentation](https://matplotlib.org/3.5.2/tutorials/)

[Python Lambda Functions - GeeksforGeeks](https://www.geeksforgeeks.org/python-lambda-functions/)

[pandas.pivot_table — pandas 1.4.3 documentation \(pydata.org\)](https://pandas.pydata.org/pandas-docs/stable/10min/2d_table.html)

Student and Course Information

Course Code & Section	ITMGT 25.03-B
Course Instructor	Joe Ilagan
Student's Full Name	Charles Joseph Vincent C. Lopez
Signature	

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[Python | Pandas DataFrame - GeeksforGeeks](#)

[10 Pure Python Functions for Ad Hoc Text Analysis | by Dardan Xhymshiti | Towards Data Science](#)

[Doing Ad-Hoc Data Analysis the Right Way – If You Use Python or R – Full-Stack Feed \(fullstackfeed.com\)](#)

[Python datetime module - GeeksforGeeks](#)

[Pandas DataFrames \(w3schools.com\)](#)

[5. The import system — Python 3.10.5 documentation](#)


[Import module in Python - GeeksforGeeks](#)

[Python Tkinter Table Tutorial - Python Guides](#)

[How to Create Tables in Python \(With Examples\) - Statology](#)

[How to make a table in Python? - GeeksforGeeks](#)

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