

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:
<IDNumber>_<RequirementTitle>_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://www.w3schools.com/python/pandas/pandas_json.asp

<https://www.interviewqs.com/ddi-code-snippets/extract-month-year-pandas>

<https://stackoverflow.com/questions/50251408/separate-transaction-rows-of-bundled-products-into-multiple-rows-of-individual-p>

Student and Course Information

Course Code & Section	ITMGT 25.03-C
Course Instructor	Jose Ramon S. Ilagan
Student's Full Name	Regine Mae M. Sison
Signature	

Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

[https://www.skytownner.com/explore/removing_characters_from_columns_in_pandas_dataframe#:~:text=To%20remove%20characters%20from%20columns,use%20the%20replace\(~\)%20method.&text=Here%2C%20%5Bab%5D%20is%20regex,that%20is%20a%20or%20b%20.](https://www.skytownner.com/explore/removing_characters_from_columns_in_pandas_dataframe#:~:text=To%20remove%20characters%20from%20columns,use%20the%20replace(~)%20method.&text=Here%2C%20%5Bab%5D%20is%20regex,that%20is%20a%20or%20b%20.)

<https://stackoverflow.com/questions/65412694/unique-values-from-dataframe-columns-via-loop>

<https://www.geeksforgeeks.org/iterating-over-rows-and-columns-in-pandas-dataframe/>

<https://thewebdev.info/2022/03/26/how-to-split-text-in-a-column-into-multiple-rows-with-python-pandas/>

<https://www.statology.org/pandas-rename-columns/>

<https://datatofish.com/string-to-integer-dataframe/>

<https://www.quora.com/How-do-I-merge-two-rows-into-one-row-by-an-index-using-pandas>


<https://stackoverflow.com/questions/72049705/python-pandas-merge-rows-into-one-row-and-decide-what-operation-to-do-in-each-co>

<https://www.geeksforgeeks.org/plotting-multiple-bar-charts-using-matplotlib-in-python/>

<https://datatofish.com/string-to-integer-dataframe/>

[https://sparkbyexamples.com/pandas/pandas-convert-float-to-integer-type#:~:text=To%20convert%20a%20column%20that,use%20astype\(\)%20to%20convert.&text=Use%20.,values%20with%20integer%20value%20zero.](https://sparkbyexamples.com/pandas/pandas-convert-float-to-integer-type#:~:text=To%20convert%20a%20column%20that,use%20astype()%20to%20convert.&text=Use%20.,values%20with%20integer%20value%20zero.)

Student and Course Information

Course Code & Section	ITMGT 25.03-C
Course Instructor	Jose Ramon S. Ilagan
Student's Full Name	Regine Mae M. Sison
Signature	

Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

<https://www.quora.com/How-do-I-merge-two-rows-into-one-row-by-an-index-using-pandas>

<https://stackoverflow.com/questions/72049705/python-pandas-merge-rows-into-one-row-and-decide-what-operation-to-do-in-each-co>

<https://www.skytownner.com/explore/getting-rows-where-values-do-not-contain-substring-in-pandas-dataframe>

<https://stackoverflow.com/questions/26886653/pandas-create-new-column-based-on-values-from-other-columns-apply-a-function-o>

<https://www.datasciencemadesimple.com/cross-tab-cross-table-python-pandas/>

<https://datatofish.com/line-chart-python-matplotlib>

Student and Course Information

Course Code & Section	ITMGT 25.03-C
Course Instructor	Jose Ramon S. Ilagan
Student's Full Name	Regine Mae M. Sison
Signature	