

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

AskPython. (n.d.). *How to update the value of a row in a Python Dataframe?*

<https://www.askpython.com/python-modules/pandas/update-the-value-of-a-row-dataframe>

Dabas, A. (2021, April 17). *Split semicolon values in DataFrames*. Stack Overflow.

<https://stackoverflow.com/questions/67140530/split-semicolon-values-in-dataframes>

Delft Stack. (2022, May 24). *Plot a Line Graph With Data Points in Pandas*.

<https://www.delftstack.com/howto/python-pandas/pandas-plot-line/>

Diwan, A. (2021, September 22). *Merge Pandas DataFrame with a common column*.

Tutorialspoint.

<https://www.tutorialspoint.com/merge-pandas-dataframe-with-a-common-column>

Felipe, F. (2022, April 24). *Pandas Dataframe: Plot Examples with Matplotlib and Pyplot*. QUEIROZF.COM.

<https://queirozf.com/entries/pandas-dataframe-plot-examples-with-matplotlib-pyplot>


Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

Sources (cont.)

- Hayden, A. (2013, June 13). *Search for "does-not-contain" on a DataFrame in pandas*. Stack Overflow.
<https://stackoverflow.com/questions/17097643/search-for-does-not-contain-on-a-dataframe-in-pandas>
- Hoang, Q. (2021, April 19). *How to extract numbers from mixed dataframe column and replace with numbers only (inplace)?* Stack Overflow.
<https://stackoverflow.com/questions/67167257/how-to-extract-numbers-from-mixed-dataframe-column-and-replace-with-numbers-only>
- Holland, G. (n.d.). *Pandas Cut – Continuous to Categorical*. AbsentData.
<https://www.absentdata.com/pandas/pandas-cut-continuous-to-categorical/>
- Kabrapankaj32. (2017, May 10). *Extracting just Month and Year separately from Pandas Datetime column*. Stack Overflow.
<https://stackoverflow.com/questions/25146121/extracting-just-month-and-year-separately-from-pandas-datetime-column>
- Kenrich. (2021, March 10). *How can I group by month from a date field using Python and Pandas?* Stack Overflow.
<https://stackoverflow.com/questions/44908383/how-can-i-group-by-month-from-a-date-field-using-python-and-pandas>
- Komali, K. (n.d.). *Pandas Create New DataFrame By Selecting Specific Columns*. Spark by {Examples}.
<https://sparkbyexamples.com/pandas/pandas-create-new-dataframe-by-selecting-specific-columns/>
- Krunal, K. (2022, March 15). *How to Transpose Matrix in Python*. AppDividend.
<https://appdividend.com/2022/03/15/pandas-dataframe-transpose/>
- Kwok, R. (2022, February 10). *How to get unique count by month for different categories in pandas?* Stack Overflow.
<https://stackoverflow.com/questions/71058306/how-to-get-unique-count-by-month-for-different-categories-in-pandas>

Student and Course Information


Course Code & Section	ITMGT 25.03-B and C
Course Instructor	Jose Ramon S. Ilagan
Student's Full Name	Clare Bernadette Chua
Signature	

Certificate of Authorship

Sources (cont.)

- Maxymoo. (2015, May 29). *Take multiple lists into dataframe*. Stack Overflow.
<https://stackoverflow.com/questions/30522724/take-multiple-lists-into-dataframe>
- N.N.K. (n.d.). *Pandas Convert Column to Int in DataFrame*. Spark by {Examples}.
<https://sparkbyexamples.com/pandas/pandas-convert-column-to-int/>
- NNK, N. (n.d.). *Pandas Concatenate Two Columns*. Spark by {Examples}.
<https://sparkbyexamples.com/pandas/pandas-concatenate-two-columns/>
- Pandas Documentation. (n.d.-a). *pandas.DataFrame.drop_duplicates — pandas 1.4.3 documentation*.
https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.drop_duplicates.html
- Pandas Documentation. (n.d.-b). *pandas.pivot_table — pandas 1.4.3 documentation*.
https://pandas.pydata.org/docs/reference/api/pandas.pivot_table.html
- Pandas: split one column into two or multiple columns in Python*. (n.d.).
Dataforeverybody.Com.
<https://www.dataforeverybody.com/pandas-split-columns-dataframe/>
- Rajpoot, A. K. (2020, March 28). *How to rotate x-axis tick labels in a pandas plot*. Stack Overflow.
<https://stackoverflow.com/questions/32244019/how-to-rotate-x-axis-tick-labels-in-a-pandas-plot>
- Steven G. (2016, October 7). *How do I Pandas group-by to get sum?* Stack Overflow.
<https://stackoverflow.com/questions/39922986/how-do-i-pandas-group-by-to-get-sum>
- Tdy. (2021, June 23). *Annotate bars with values on Pandas bar plots*. Stack Overflow.
<https://stackoverflow.com/questions/25447700/annotate-bars-with-values-on-pandas-bar-plots>
- Unutbu. (2014, November 6). *Pandas get the age from a date (example: date of birth)*. Stack Overflow.

Student and Course Information

Course Code & Section	ITMGT 25.03-B and C
Course Instructor	Jose Ramon S. Ilagan
Student's Full Name	Clare Bernadette Chua
Signature	

Ateneo de Manila University
Department of Quantitative Methods and Information Technology

Certificate of Authorship

Sources (cont.)

<https://stackoverflow.com/questions/26788854/pandas-get-the-age-from-a-date-example-date-of-birth>

W3Schools. (n.d.). *Pandas Read JSON*.

https://www.w3schools.com/python/pandas/pandas_json.asp

Student and Course Information

Course Code & Section	ITMGT 25.03-B and C
Course Instructor	Jose Ramon S. Ilagan
Student's Full Name	Clare Bernadette Chua
Signature	