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

Brett, & fsl. (2022, January 24). *Splitting a comma separated value into separate rows in pandas*. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/70841531/splitting-a-comma-separated-value-into-se parate-rows-in-pandas

Hardy, B., TheFaultInOurStars, & SergFSM. (2022, March 13). *Python pandas - how to compare values from two columns of a dataframe to another DataFrame columns?* Stack Overflow. Retrieved July 19, 2022, from

Course Code & Section	ITMGT 25.03-B
Course Instructor	Mr. Jose Ramos Ilagan
Student's Full Name	Erika Therese G. Diño
Signature	Arm Home

Certificate of Authorship

https://stackoverflow.com/questions/71455102/python-pandas-how-to-compare-values-from-two-columns-of-a-dataframe-to-another

- How to Filter DataFrame Rows Based on the Date in Pandas? GeeksforGeeks. (2020, December 11). Retrieved July 19, 2022, from https://www.geeksforgeeks.org/how-to-filter-dataframe-rows-based-on-the-date-in-panda s/
- How to multiply two pandas DataFrame columns in Python. Kite. (n.d.). Retrieved July 19, 2022, from https://www.adamsmith.haus/python/answers/how-to-multiply-two-pandas-dataframe-col umns-in-python
- How to plot multiple data columns in a DataFrame? GeeksforGeeks. (2021, December 30). Retrieved July 19, 2022, from https://www.geeksforgeeks.org/how-to-plot-multiple-data-columns-in-a-dataframe/
- How to sort a Pandas DataFrame by Date? GeeksforGeeks. (2021, December 9). Retrieved July 19, 2022, from https://www.geeksforgeeks.org/how-to-sort-a-pandas-dataframe-by-date/
- Imtiaz, U. (2020, December 10). *Convert Pandas DataFrame Column to List*. Delft Stack. Retrieved July 19, 2022, from https://www.delftstack.com/howto/python-pandas/pandas-column-to-list/#:~:text=method %20in%20Pandas.-,Use%20the%20tolist()%20Method%20to%20Convert%20a%20Data frame%20Column,data%2Dframe%20to%20a%20list
- Javier, & XXavier. (2020, February 25). *Creating a table from a panda dataframe*. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/60399332/creating-a-table-from-a-panda-dataframe
- Khan, L. (2022, April 14). Split a Single Column Into Multiple Columns in Pandas DataFrame Column. Delft Stack. Retrieved July 19, 2022, from

Course Code & Section	ITMGT 25.03-B
Course Instructor	Mr. Jose Ramos Ilagan
Student's Full Name	Erika Therese G. Diño
Signature	Arm botwo

Certificate of Authorship

https://www.delftstack.com/howto/python-pandas/split-column-in-python-pandas/#:~:text =We%20can%20use%20the%20pandas,to%20the%20entire%20Dataframe%20column

- Malli. (2022, January 20). *How to Drop Duplicate Rows in pandas DataFrame*. Spark by {Examples}. Retrieved July 19, 2022, from https://sparkbyexamples.com/pandas/pandas-drop-duplicate-rows-from-dataframe/
- *Pandas.concat.* pandas. (n.d.). Retrieved July 19, 2022, from https://pandas.pydata.org/docs/reference/api/pandas.concat.html
- Pandas: Transpose DataFrame (swap rows and columns). note.nkmk.me. (n.d.). Retrieved July 19, 2022, from https://note.nkmk.me/en/python-pandas-t-transpose/#:~:text=Use%20the%20T%20attrib ute%20or,columns%20swapped%20(%3D%20transposed%20object)
- Plotting multiple bar charts using Matplotlib in Python. GeeksforGeeks. (2021, February 25).

 Retrieved July 19, 2022, from

 https://www.geeksforgeeks.org/plotting-multiple-bar-charts-using-matplotlib-in-python/
- Python: Change column names and row indexes in Pandas DataFrame. GeeksforGeeks. (2020, May 16). Retrieved July 19, 2022, from https://www.geeksforgeeks.org/python-change-column-names-and-row-indexes-in-panda s-dataframe/
- Sabiri, S., Hippolyte BRINGER, mOna, & Gorai, A. (2019, May 29). Sum column based on another column in pandas DataFrame. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/56360610/sum-column-based-on-another-column-in-pandas-dataframe

Tabulate. PyPI. (n.d.). Retrieved July 19, 2022, from https://pypi.org/project/tabulate/

Course Code & Section	ITMGT 25.03-B
Course Instructor	Mr. Jose Ramos Ilagan
Student's Full Name	Erika Therese G. Diño
Signature	Asim Agrico

Certificate of Authorship

- ThatOneNoob, jezrael, Psidom, Crites, J., Verma, S., & Savaliya, G. (2016, December 22). *Get total of Pandas column*. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/41286569/get-total-of-pandas-column
- user1504276, lexual, eumiro, Hayden, A., kadee, Petrou, T., paulo.filip3, Khoda, N., M PAUL, migloo, firelynx, piRSquared, Kumar, A., Bastola, S., vibhu_singh, Diamond-Reivich, A., Yog, Alexander, unique_beast, ... seeiespi. (2012, July 5). *Removing prefix from column names in Pandas*. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/11346283/removing-prefix-from-column-names-in-p andas
- Varun. (n.d.). *Count number of True elements in a NumPy Array in Python*. thisPointer. Retrieved July 19, 2022, from https://thispointer.com/count-number-of-true-elements-in-a-numpy-array-in-python/
- Varun. (n.d.). Pandas Dataframe: Get minimum values in rows or columns & their index position. thisPointer. Retrieved July 19, 2022, from https://thispointer.com/pandas-dataframe-get-minimum-values-in-rows-or-columns-their-index-position/#:~:text=To%20find%20minimum%20value%20of%20every%20row%20 in%20DataFrame%20just,with%20argument%20axis%3D1%20i.e.&text=It%20returned %20a%20series%20with%20row%20index,minimum%20value%20of%20each%20row
- Yannis, a-boubekria, & Petrov, D. (2020, December 27). *Sort pandas dataframe by date in day/month/year format*. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/65470065/sort-pandas-dataframe-by-date-in-day-month-year-format
- Zach. (2021, August 16). *How to Create Tables in Python (With Examples)*. Statology. Retrieved July 19, 2022, from https://www.statology.org/create-table-in-python/

Course Code & Section	ITMGT 25.03-B
Course Instructor	Mr. Jose Ramos Ilagan
Student's Full Name	Erika Therese G. Diño
Signature	Arm Agrino

Certificate of Authorship

zen, Zero, & ehaymore. (2015, October 17). *Remove non-duplicated entries*. Stack Overflow. Retrieved July 19, 2022, from https://stackoverflow.com/questions/33182945/remove-non-duplicated-entries

Course Code & Section	ITMGT 25.03-B
Course Instructor	Mr. Jose Ramos Ilagan
Student's Full Name	Erika Therese G. Diño
Signature	Asim Agrico