

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.


Sources

EdChum (2016, December 20) Count number of characters in a string, create a data frame column out of it? [duplicate]. Message posted to
<https://stackoverflow.com/questions/41243263/count-number-of-characters-in-a-string-create-a-data-frame-column-out-of-it>

Hayden, A. (2015, October 22) Python: get a frequency count based on two columns variables in pandas dataframe some row appers. Message posted to
<https://stackoverflow.com/questions/33271098/python-get-a-frequency-count-based-on-two-columns-variables-in-pandas-datafra?answertab=oldest#tab-top>

Hettinger, R. (2012, April 3) 'elif' in list comprehension conditionals. Message posted to
<https://stackoverflow.com/questions/9987483/elif-in-list-comprehension-conditionals?answertab=oldest#tab-top>

Student and Course Information

Course Code & Section	J
Course Instructor	Ilagan, Joseph
Student's Full Name	See, Eira Janelle Bombay
Signature	

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Jezrael (2018, July 31) How to extract first 8 characters from a string in pandas. Message posted to

<https://stackoverflow.com/questions/51607400/how-to-extract-first-8-characters-from-a-string-in-pandas>

Pandas Development Team. (n.d.). How to calculate summary statistics?¶. Retrieved August 11, 2020, from

https://pandas.pydata.org/docs/getting_started/intro_tutorials/06_calculate_statistics.html

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