**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**

pd.Grouper(freq='M')

https://stackoverflow.com/questions/24082784/pandas-dataframe-groupby-datetime-month

https://pandas.pydata.org/pandas-docs/stable/reference/api/pandas.Grouper.html?highlight=grouper

datetime.strftime()

https://www.programiz.com/python-programming/datetime/strftime

plt.setp(axes.get\_xticklabels(), rotation=45, ha='right')

https://stackoverflow.com/questions/10998621/rotate-axis-text-in-python-matplotlib

**Sources (cont.)**