

**Ateneo de Manila University**  
**Department of Quantitative Methods and Information Technology**

**Certificate of Authorship**

**Instructions**

- Accomplish the document completely
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<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.

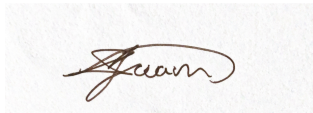
**Sources**

*<https://stackoverflow.com/questions/4703390/how-to-extract-a-floating-number-from-a-string>*

*<https://stackoverflow.com/questions/57701738/what-is-use-0-in-input-split0>*

*<https://datatofish.com/pie-chart-matplotlib/>*

**Student and Course Information**

|                                  |   |
|----------------------------------|---|
| <b>Course Code &amp; Section</b> | ITMGT 25.03 - A   |
| <b>Course Instructor</b>         | JOSEPH BENJAMIN M G R. ILAGAN   |
| <b>Student's Full Name</b>       | Juan Emmanuel D. Aruego   |
| <b>Signature</b>                 |  |