



Queen
Scheherazade, the
storyteller from *One
Thousand and One
Nights* (Arabian
Nights)

This assignment is due on Tuesday, February 15, 2022 at 11:59PM EST.

You can download the materials for this assignment here:

- Colab Notebook (https://colab.research.google.com/github/interactive-fiction-class/interactive-fiction-class.github.io/blob/master/homeworks/plots/HW3_plot.ipynb)

Homework 3: Plot Graph Generation

Instructions

In the paper Crowdsourcing Narrative Intelligence (<http://www.cogsys.org/journal/volume2/article-2-4.pdf>), Li et al. created the Scheherazade algorithm to generate plot graphs from a collection of crowdsourced stories. Head over to the Colab Notebook (https://colab.research.google.com/github/interactive-fiction-class/interactive-fiction-class.github.io/blob/master/homeworks/plots/HW3_plot.ipynb) for more information on what you'll be doing.

What to Submit

1. An IPython notebook called `HW3-plot.ipynb` that runs your plot graph implementation.
2. A document (doc/docx, txt, pdf) that has your answers to the questions found at the end of the notebook.
3. **Two** graph files: one named `plotgraph.html` that is your final (initialized, pruned, & improved) plot graph using your clusters, one named `gold.html` using the clusters from Part 2.

If you decide to do the extra credit, please submit a file for that graph as well: `ec.html`. You may include your answers to the questions in your document under a section labeled "Extra Credit".

Submissions should be done on Gradescope (<https://www.gradescope.com/courses/354158/assignments/1829348>).

Grading

- Implementation of the Scheherazade algorithm - 15 points
- Answers to questions - 10 points
- Graph files - 5 points
- Extra Credit - 5 points

Required Reading

- Boyang Li, Stephen Lee-Urban, Darren Scott Appling, and Mark O. Riedl, Crowdsourcing Narrative Intelligence (<http://www.cogsys.org/journal/volume2/article-2-4.pdf>).

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The source code is on GitHub (<https://github.com/interactive-fiction-class/interactive-fiction-class.github.io>).