WordCount Documentation

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Harsha

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CHAPTER 1

Purpose

Write me . . .

1.1 Zipf's law

Write me . . .

CHAPTER 2

Dependencies

2.1 Required

- Python
- Numpy
- Matplotlib
- Make or Snakemake

2.2 Optional

- Docker

CHAPTER 3

Usage

3.1 How to clone the code

Write me . . .

3.2 Make

Generate all results:

```
$ make -f Makefile_all
```

3.3 Snakemake

Write me . . .

3.4 Where to find the results

Write me . . .

CHAPTER 4

Credit and inspiration

Inspired by and derived from https://hpc-carpentry.github.io/hpc-python/ which is distributed under CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/).

CHAPTER 5

Exercises (documentation lesson)

5.1 Before you start

- Discuss the exercise idea with the classroom.
- Distribute exercises among groups of 2-3 persons.
- Open a GitHub issue and inform the community about the problem and how you plan to solve it. Discuss why we do this.
- Fork this project.
- Commit to your fork. In your commit message auto-close the issue you have addressed.
- Submit a pull request.
- We then review the pull requests.
- After the pull requests are merged we verify that documentation updates itself.

5.2 Basic

- Document the purpose of this example code.
- Document how to clone the code.
- Describe the project tree structure.
- Write a sentence or two about Zipf's law and link to Wikipedia (coordinate with the group working on the previous exercise).
- Document how to check the code style with `pycodestyle`.
- Give other developers hints on how they can contribute to the documentation.
- Document how to build the documentation locally (coordinate with the group working on the previous exercise).
- Add an example output.

- Add an example plot (coordinate with the group working on the previous exercise).
- Document where/how to ask for help.
- Add a math equation somewhere.

5.3 Advanced

- Add a test and document how to run it.
- Add the possibility to auto-document Python code.

5.4 Meta

- Add new exercises ideas for future workshops (edit this file).