Overview

**Worth:** 40%

**Due:** Wednesday 24th May 2017 (before midnight AWST) (week 12)

**May** be undertaken in pairs, but you may also work alone if you want.

**Submission:** Electronic PDF report and zipped Python source files via cssubmit, plus a presentation in class in week 12 (or week 13 depending on lecturer’s scheduling).
Instructions

Read Chapters 11 to 14 of the text book (Think Complexity by Downey). They are case studies in computational modelling and investigating complexity science.

Your task is to attempt to write your own new case study in roughly the same format, length and detail, i.e. 5 to 8 pages.
Criteria

- Should be relevant to complexity. See Wikipedia pages on Complexity and Complex systems. Choose a topic not already covered in the book. Check with the Unit Coordinator if you are not sure of a topic.

- Good case study might present a seminal paper, reimplement an important experiment, discuss the results, and explain their context. Original research is not necessary, and might not be appropriate for this format, but you could try extend existing results.
Your experiment should be conducted in Python and include the source in the submission.

If you use an algorithm or data structure that deserves comment, you should discuss it in the report.

If you use a feature of Python or a module (common modules only) that you think will interest readers, you should discuss it.

acknowledge clearly the use of any code from the textbook, internet or elsewhere.
Marking Criteria

- Correctness: 50%
- Discussion: 30%
- Presentation: 20%
Good luck! ... and ...

Enjoy!