School of Computing and Information Systems
The University of Melbourne
COMP90042
WEB SEARCH AND TEXT ANALYSIS (Semester 1, 2019)

Week 1: Self study

Programming

1. Familiarise yourself with Python, if you haven't used it recently.

   You may use the following FREE online resources to learn Python.

   `https://www.edx.org/course/introduction-to-computer-science-and-progr`

   It is an introductory course to computer science as a tool to solve real-world analytical problems using Python 3.5 developed by MIT.

   If you enrol in the course, you are FREE to audit the course until May 5, 2019.

2. Setup your Python environment with `numpy`, `sklearn` and `nltk` packages installed (i.e. you can `import` them).

*There are no workshops in week 1. However, one lab session with a tutor will be arranged in week 1 to help you with Python programming. It is **optional**. You can come to the lab session if you have any questions about Python. Details about the lab session will be announced on LMS.*

Catch-up

- (Re-)familiarise yourself with Python, if you haven't used it recently. In particular, focus on string and array processing, including regular expressions. Also revise functions and mapping mathematical formulae to Python syntax (including the `numpy` package).

- Familiarise yourself with the Natural Language Toolkit (NLTK). You might like to use the e-book `http://nltk.org/book` as a resource; it also covers some of the basics of Python, if you've never used the language before.