COMP 5048 Visual Analytics 2018

Assignment 1 (10 marks): Individual Work

Deadline: September 13 Thursday 5:00pm (electronically on **Canvas**)

Task: Construct a good visualisation of *two* of the following graphs.
For details, check the instructions on each link below.

For this assignment, you can use any software you like; alternatively, you can simply use pen-and-paper. You may want to use a simple graph editor (such as *visio*), or implement any existing/new algorithms. This assignment will be marked by the quality of the visualisation.

Data:

At least one must be taken from the following A graphs from Graph Drawing Contest 2018:
A1. **Game of Thrones** characters from Graph Drawing Contest 2018
 (first dataset on http://graphdrawing.de/contest2018/topics.html)

A2. **Mathematics Genealogy** Project from Graph Drawing Contest 2018
 (second dataset on http://graphdrawing.de/contest2018/topics.html)

In addition, you can choose at most one from the following B graphs:
B1. **Graph drawing reference graph** from Graph Drawing Contest 2001
(https://web.archive.org/web/20030514031730/http://www.infosun.fmi.uni-passau.de:80/GD2001/graphA/index.html)

B2. **Graph B** from Graph Drawing Contest 1999
(https://web.archive.org/web/20010517120627/http://www.ms.mff.cuni.cz:80/acad/kam/conferences/GD99/contest/graphs/B.html.iso-8859-1) Note: save the data as a .gml file

B3. **Graph C** from Graph Drawing Contest 1996
(https://web.archive.org/web/19990209110809/http://portal.research.bell-labs.com:80/orgs/ssr/people/north/graphs/C) Note: save the data as a .gml file

Submission:
5 page report
        Page 1: Cover letter (declare: academic honesty and plagiarism) with your signature
        Page 2: Visualisation of graph 1
        Page 3: Description
        Page 4: Visualisation of graph 2
        Page 5: Description
Description should include:
1. how to create the pictures: which tools/layouts etc
2. self-evaluation: strength and weakness

Files and codes