

# **Written Assignment 1**

**Due on Friday, 29 Sept 2017, by 11:59 pm**

## **Introduction**

You have been hired as a co-op student by the Dean of Computer Science. Dr Rau-Chaplain has been asked to make a presentation on enrolment and graduation figures for the Faculty of Computer Science at an upcoming executive meeting. He has asked you to gather the necessary data and prepare an appropriate illustration for each of the following comparisons:

1. For the years 2012-13, 2014-15, and 2016-17, compare female undergraduate enrolment with female graduate enrolment.
2. For the years 2012-13, 2014-15, and 2016-17, compare undergraduate student enrolment by place of residence. Group the students into these categories: Nova Scotia, Rest of Atlantic Canada (NB, PE, NL), Other Canadian, and International.
3. For the years 2012-13, 2014-15, and 2016-17, compare undergraduate student enrolment by place of residence. Group the students into these categories: Canadian and International. The Canadian category must be further broken down into the categories in the listed in the last section (Nova Scotia, Rest of Atlantic Canada, Other Canadian).

Remember the comparisons are for the Faculty of Computer Science only, not the entire university. You will find PDFs with the relevant of enrolment data at <https://www.dal.ca/dept/oia/Advanced-analysis-planning/enrollment.html>. Make sure you have the appropriate data; watch the academic years very carefully.

## **Instructions**

Create a document with a separate section for each of the three comparisons. Start each section on a new page. In each section, do the following: create a properly formatted table (as discussed in class) of the data you gathered from the PDFs for the comparison; decide what sort of illustration (figure, chart, graph, etc.) would be best for this comparison; create the illustration using MS Excel or similar software; copy & paste it into your document; and write an explanation of why you chose this type of illustration.

Answer in full sentences and paragraphs; **DO NOT** use point form. Make sure you anchor the tables and figures in your text. When laying out your document, use the principles of contrast, repetition, alignment, and proximity (CRAP) to make the document as clear and readable as possible. Acknowledge the sources of your data as shown in class.

## **Submission**

Submit a PDF of your document using the appropriate submission folder (formerly called a dropbox) on Brightspace. Documents in other formats (Word, Open Office, etc.) will receive a grade of zero (0).