

CSCI 4140 – Advanced Database
Assignment 3: Visualization Tools

(Issue: 11 June, 2018 , Due: 22 June, 2018 11:59 PM)

- **TA:** Trishla Shah trishla@dal.ca
- **Tutorial:** Monday (10:35-11:25 am) and Thursday (2:05-2:55 pm)
- **Room:** CS 143

1. Objectives:

To learn Data Analysis and Visualization

2. Tasks:

- 1) Search for a data set that may interest you and download it. Some examples of publicly available data sources are:
 - <http://www.data.gov>
 - <http://data.worldbank.org>
 - <http://aws.amazon.com/datasets>
 - <http://usgovxml.com/>
 - <https://data.medicare.gov/>
 - http://www.faa.gov/data_research/
- 2) Create or use existing data warehouse. Use any tool available to you for data analysis. You can use tool such as MS Excel Pivot Tables, Pivot Charts or other free tools, such as Google Fusion tables, Tableau free trial, IBM Many Eyes, etc.
- 3) Write a report to explain your findings including:
 - What the data sources are
 - Where the data comes from
 - What the data represents and many more!
 - Feedback about tools which you used.

3. Submit your Assignment 3 electronically:

- 1) Please use Brightspace to submit your assignment
- 2) Submit report, data source (Reference or link) and any necessary files for your assignment.
- 3) Include all necessary screenshots in the report.
- 4) You can work in the team of two. Mention names and B00 in the report as well as in the comment/note section (submission folder – Brightspace)
- 5) Submit all items within one Zip file (Your_NAME_Ass3.zip).

*** Plagiarism and Intellectual Honesty:** (<http://plagiarism.dal.ca>)

Dalhousie University defines "plagiarism as the presentation of the work of another author in such a way as to give one's reader reason to think it to be one's own." Plagiarism is considered a serious academic offense which may lead to loss of credit, suspension or expulsion from the University, or even the revocation of a degree.