**CSCI316 Big Data Mining Techniques and Implementation**

**Laboratory 3 Pandas Tutorial**

**Objective**

* To understand the importance of the data exploration step in Big Data
* To understand how to go about data exploration using Python and Pandas
* To understand the role of pre-processing in Big Data

The lectures explained the role of data exploration and pre-processing in Big Data. You are to perform data explorations on given datasets in order to explain the data and in order to decide on suitable pre-processing procedures.

**Material**: online Pandas tutorial https[://ww](http://www.dataquest.io/blog/pandas-python-tutorial/)w.d[ataquest.io/blog/pandas-python-tutorial/](http://www.dataquest.io/blog/pandas-python-tutorial/)

Dataset: ign.csv (available on Moodle). A set of video-game rating data.

Follow in the online tutorial step-by-step to get yourself familiarized with data analytics, visualisation and pre-processing with Pandas in Python.