### Hong Kong Baptist University

Department of Computer Science

***COMP 4125/7820: Visual Analytics & Decision Support***

*Lab 1: Tableau Visualization of Multivariate Data and Network Data*

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Exercise**

1. Parallel Coordinates
2. **(30 marks)** Import ‘data.csv’ to Tableau, visualize the data using parallel coordinates. Capture the screenshot save it as the answer.
3. Node-link diagram for network data
4. **(40 marks)** Import ‘airport.csv’ and ‘airport\_connection.csv’ to Tableau, create a node-link diagram for this network data. Capture the screenshot save it as the answer. ‘airport.csv’ contains information about different airports. The LATITUTE and LONGITUDE in it can be used as position to plot the airports. ‘airport\_connection.csv’ contains the relationship among different airports. The relationship in this file means whether there are direct flights between two airports.
5. **(30 marks)** Describe the steps for creating the node-link diagram in 2.A.

**Submission**

Fill your answers in ‘lab1\_Exercises.docx’ and submit it through Moodle.