Visualization and Dashboard with Microsoft Power BI Desktop

This is the eLearning Topic for BC2407. **Power BI Desktop** is a free software that can be downloaded from https://powerbi.microsoft.com/en-us/desktop/

However, it only works on Windows OS for now, until Microsoft produce a version in future for Apple. For some ways to run Power BI on Mac, read https://www.holistics.io/blog/how-to-use-power-bi-on-mac-devices/. Alternatively, borrow a Windows laptop or use the NTU Computer Lab.

You do not need to sign up for Power BI service or pay any fee. Power BI desktop can be used without Power BI service to design visualizations and/or dashboard. Increasingly, many employers and internship state Power BI as a critical requirement. Hence, it will be an asset to be able to state this skill in your CV and showcase your project in employers/internship interviews.

The requirements for eLearning is to design a dashboard to show the important results from your Project. Thus, you have up till week 11 to produce the dashboard with either Power BI Desktop (recommended), Tableau, R Shiny, Python, or Excel. The live dashboard presented will be graded as part of Project.

There are a lot of free resources to learn Power BI desktop. Some resources are:

- https://www.simplilearn.com/tutorials/power-bi-tutorial/power-bi-dashboard
- https://www.youtube.com/watch?v=TmhQCQr_DCA
- https://www.tutorialspoint.com/power_bi/index.htm
- https://docs.microsoft.com/en-us/power-bi/guided-learning/
- https://www.udemy.com/learn_power_bi_for_free/

Please feel free to find and learn from any other e-resources. You do not need to read the entire book listed above. Just learn enough to create a dashboard for your data in the Project.

Please learn to enjoy learning….

Best wishes,

Neumann Chew C.H. | neumann.chew@ntu.edu.sg

Course Coordinator and Instructor.