

## Assignment 3

### Visualization in Tableau

#### CS 5346– Information Visualization

#### GENERAL INSTRUCTIONS

1. *Deadline:* Tuesday 20 February, 10 PM. Note, actual work will need to be carried out on Monday February 19.
2. *Deliverable:* Fill up the google form with the necessary information (Name, metric no., URL of your Tableau viz) and submit it.
3. *Assignment Type:* Group of 2
4. *Marks:* 5
5. *Assessment Criteria:* You shall get 3/5 for completing the assignment successfully. That is, If it is timely, correct (truly represent the insight that you claim you have derived) and self-explanatory (As in the popular saying - A picture tells thousands words). You can expect to get 3+ if you have appropriate visual encoding, are creative - meaning, if you can find novel analytic questions or novel visualization (in tableau) or perhaps both!

## 1 Installing Tableau (version 10.5.x)

- Go to [download link for tableau for teaching program](#)
- Click ‘Get Started’ and fill up the information. **Enter your nus email address for ‘Business E-mail’ field and enter ‘National University of Singapore’ for ‘Organization’ field.** Fill up the rest of the fields as you like.
- After the installer is downloaded, install it.
- When asked for product key, use the following product key to register your tableau installation:- **TD9Z-5006-3480-925E-BF15**
- If you already had a copy of tableau Desktop (version 10.5) installation which was not activated (i.e. Trial version), go to the ‘Manage Product Key’ under the ‘Help’ tab. Click ‘Activate’. Enter the new product key and activate your tableau installation.
- Thats all! If you want to have a quick start on tableau take a look at the slides in [Quick Start guide for students](#).

## 2 Assignment Description

### 2.1 Dataset:

Go to [MakeoverMonday](#) and download the data for **February 19**. You should be redirected to a page from where you can download the data. You are encouraged to practice an attempt on **February 12**. You are encouraged to submit the URL for your Feb 12 attempt as well. If we find something lacking in your actual assignment on Feb 19 attempt but find Feb 12 attempt good enough, we could transfer marks to boost your actual assignment grade.

### 2.2 Create the Viz in Tableau

- Load the data in tableau. Do data preprocessing in tableau if necessary. Try to find around 3-4 analytic questions. Prepare tableau ‘workbooks’ where you answer those questions clearly and correctly. Prepare a ‘Dashboard’ from those workbooks.

- Finally, upload your workbooks in your tableau public profile (you can do that from your tableau desktop, but you have to create an tableau public account before you do so).
- Explicitly mention the analytic question which you tried to answer in each of the workbooks.
- Upload your viz in tableau public.
- Note down the URL to the ‘Current view’ of your dashboard in tableau public.

### **2.3 Submit your viz:**

Each group has to complete the google form [here](#) and submit it by the deadline. Note that, you can submit the form only once.

## **3 Queries**

Send your queries to CS5346.tutor@gmail.com