CS5346 S2-AY2020-21: Own Time Own Target (OTOT) Assignment

This document describes 2 ways you can accumulate a **maximum of 40 marks** for self-paced tasks. which includes 2 options.

OPTION 1
30 Marks: Accumulated by doing tasks listed in A-F.
10 Marks: Accumulated through tasks listed at G,H,J.
- **Important**: These 5-10 marks cannot be earned without completing tasks from A-F.

   ** Variation of option 1 eg 35 marks from A-F and 5 marks from G,H,J will be allowed

OPTION 2
40 Marks: Accumulated by doing tasks listed in A-F.

Read the instructions carefully. Send your queries to cs5346.tutor@gmail.com.

Note: Once you complete a task, notify us through a submission at LumiNUS. Each file submission in LumiNUS must contain your **Matriculation Number in the file name**. There is a separate folder for each type of task mentioned below.

Task Type	Max Marks	Task Description	What to submit
A	20	Create Visualizations for a Dataset of your choice. For type A task you can create visualizations following A1-A3 type tasks given below. Marking Scheme will consider: ● Timely completion of the task. ● Providing visual encoding ● Task complexity, e.g., visualizations for multiple queries (3-5)/Including different variety of visualizations (3-5) including Interactivity and animation/story-value/ exploiting tool strengths in some specific ways	Submit the PDF file in the LumiNUS. The document should contain the following information: • Student Name and Matriculation Number. • A brief description of the dataset and purpose of visualization. • A short description of the visualization and its key elements. • A screenshot of the visualization and the link.
A1: Use D3 to create a visualization on your choice of dataset. (Max two such submissions allowed; 5 marks each)			
A2: Use Tableau to create a visualization on your choice of dataset. (Max two such submissions allowed; 5 marks each).			
A3: Create visualizations using any of the following tools-- Python/R/ Gephi/Processing/PowerBI Take any dataset of your choice. (Max two such submissions allowed; 5 marks each).			

B	10	Take part in DataViz event at DataViz portal (https://dataviz.comp.nus.edu.sg/). There will be two events - one in <u>Week 6</u> and the other in <u>week 9</u> of the semester. Create visualizations using D3 or Tableau using a given dataset (5 marks each event): **More instructions will be given before week 6.** Marking Scheme will consider: ● Timely completion of the task. ● Providing visual encoding ● Task complexity, e.g., visualizations for multiple queries (3-5)/different variety of visualizations (3-5) including Interactivity and animation/story-value/ exploiting tool strengths in some specific ways.	Submit the required to the Event link at DataViz portal *The requirement will be similar to Type A submission.*
C	10	Presentation, Post or Video: For type C task you can create visualizations following C1-C3 type tasks given below. You can do this <u>individually or in pairs</u>. Make an in-class presentation OR post a Medium article OR make a video presentation on a selected topic. *(Each of the C1-C3 tasks is 5 marks. Choose two from the three options to score 10 marks)* Marking Scheme will consider: • Timely completion of the task • Content - Relevance, Analysis, Critique, Referencing • Presentation - Style, Organisation/Readability	Submit the PDF file(one file per pair) in the LumiNUS. The document should contain the following information: • Student Name(s) and Matriculation Number(s). • Link of the video or post • Any other information you want to add e.g., any references or links you have followed
C1: *In-class presentation, it will be held in Week 11 or Week 12 lecture time, sign up by Week 6.* <mark>*<<link and instructions will be available by the end of week 4>>*</mark> *You need NOT make a submission doc. Instead, you will post your presentation slides in Type C folder.*		
C2: *Make a post to Lucid at* <mark>*<<link and instructions will be available by the end of week 3>>*</mark> *and include the post link in your submission doc.*		
C3: *Create a Video on a relevant topic. Make a shareable link of video and include it in your submission doc. Video should be at least 5 mins but no more than 15 minutes long.*		

D	5	MakeOverMonday or WorkOutWednesday : Create a Visualization for a Dataset posted at Makeover Monday and/or Workout Wednesday. This is an individual task. Links: https://www.makeovermonday.co.uk/ http://www.workout-wednesday.com/ Marking Scheme will consider: - Timely completing the task at the above portals - Submitting an evidence as per submission guideline in the column on the right. 3 marks for MakeOverMonday **or** WorkOutWednesday 5 marks for both MakeOverMonday **and** WorkOutWednesday	Submit a PDF document as the proof of completion. Include following information: • Student Name and Matriculation Number. • A short description of the problem (or challenge) and dataset. (optional) A short description of the visualization and its key elements. A screenshot of the visualization and the link.
E	5	==Link for submission will be active after *31st January 2021*==: This is an individual task. Contribute and share with the growing DataViz community: Make a post of your favorite visualisation or of a visualization you have created to DataViz portal. **Go to https://dataviz.comp.nus.edu.sg/** **Register an account using your NUSNET Email (e.g e0123456@e.nus.edu) (case-sensitive)** **Log in to the account** **Go to the "Classrooms" tab and click on the CS5346 classroom** **Click on "Submit Viz" to submit a visualization** Marking Scheme will consider content and relevance of the post. 1 mark for 1 post. Maximum 5 marks for 4 valid reasonable posts.	Submit the required to the DataViz portal. You will receive a confirmation e-mail. Keep a copy of the confirmation e-mail until the end of the semester.

| F | 5 | Suggest a change or addition to the lecture topics and material. For this task you may do any of the following:
1. Propose an existing topic you would like covered with greater depth.
2. Propose a new topic to be covered in the module.

Marking scheme will consider:
● Well-elaborated rationale for the proposal of a new topic or replacing an existing topic.
● Brief explanation of the pedagogy, i.e., what you would teach about this new or more in-depth topic and how you would teach and assess it. | Submit a PDF document as proof of completion with:
● Student Name and Matriculation Number.
● Write-up on the change or addition to the material that covers the points in the marking scheme. |

Max 10 marks can be accumulated from the following:

G	Max 5 marks	• 2 marks for completing at least 10 marks of A-F tasks by the end of week 6,21 Feb, Sunday, 11.59 pm • 4 marks for completing at least 25 marks of A-F tasks by the end of week 10, 21 March, Sunday, 11.59 pm • 5 marks for completing at least 30 marks of A-F tasks by the end of week 11, 28 March, Sunday, 11.59 pm
H	Max 6 marks	• Tutor and lecturer will be on lookout for 'worth mentioning' effort/submission to the class. This will be announced during lectures or through LumiNUS announcements. • You score 2 marks each time when your name/submission gets featured by the tutor or lecturer (max 6 marks).
J	Max 5 marks	Take part in a Data Visualization competition: You can be in a team(2-3 students) or do individual work (max 3 competitions during the semester). Write to Lecturer for information/approval before signing up for the competition. You can check out **https://dataviz.comp.nus.edu.sg/** for some upcoming or regular competitions under "Events" Marking Scheme will consider: • 2 Marks (for each team member) for taking part in a data visualization competition. • 3 marks for winning the competition (for each team member). Submit a PDF document as the proof of completion. The document should contain the following information: • Student Name and Matriculation Number. • Link of competition entry or proof of participation/win