# MTSI Dashboard Evaluation

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First Evaluation Session - November 27, 2020

# Quick Intro Video:
## https://youtu.be/_vq5HWGfCc4

# The Evaluation Process

# 1. Evaluation

Report Requirements

In this stage, you will interact with the solution here: http://194.47.178.15/mtsiproject/, and note down the errors. The list of functions are listed in the next four slides.

<u>Describe Two Types of Errors:</u>

1. Crashing errors (Then reload the solution before you proceed).

2. System not functioning **as you expect** it.

<u>Note the following about the errors:</u>

- The task that caused the error.

- Last three tasks you performed before the error appeared.

# 1. Evaluation

## Tasks Checklist

Explore the following functionalities several times with random sequences:

1- Selecting clusters in the Scatter point plots (T-SNE and PCA).

2- Selecting lines in the Parallel Coordinates graph.

3- Interactivity between all sets of graphs

(Possible functionalities in each plot ->)

# 1. Evaluation

Functions: TSNE & PCA

a.       Toolbar appears when you hover cursor over the plot

b.       Download a snap of the plot

c.       Zoom and pan through the plot

d.       Box select points

e.       Lasso select points

f.       Reset by double-clicking on the graph

# 1. Evaluation

Functions: Heatmap

a.      Toolbar appears when you hover cursor over the plot

b.      Download a snap of the plot

c.      Zoom and pan through the plot

# 1. Evaluation

Function: Parallel Coordinates

a. Toolbar appears when you hover cursor over the plot

b. Download a snap of the plot

c. Select sections of the vertical lines (features)

d. Slide the selection along the vertical line

e. Select more than one section of the same line

f. Select sections from different vertical lines

g. Unselect selected section by clicking on it once

h. Move the vertical line to a new position

# 2. Post-evaluation

## Report

Please comment and elaborate on visualization techniques employed based on your evaluation of the solution.

Please submit the final report by <u>December 11</u>, to:

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# THANK YOU FOR YOUR TIME