**CS5542 Big Data Analytics and App**

**LAB ASSIGNMENT #7**

**Lab Submission before 2017/3/8(W) 11:59PM.**

* Follow the guidelines for uploading assignment to GitHub
* Submit the screenshots of the task under documentation folder in GitHub and push the code to Source folder in GitHub
* **No late submissions** (penalty or not) will be accepted.
* Create **wiki page** for report and include **images in wiki page**
* Submit your Github project for Lab Assignments with source code, input and output data and wiki page containing the report for your lab Assignment. [**https://goo.gl/forms/L5NVqbdwBwkwK2n13**](https://goo.gl/forms/L5NVqbdwBwkwK2n13)

1. **TensorFlow Programming:**

**Write a TensorFlow program for the following Task.**

* 1. Implement linear regression for dataset that is not covered in class (e.g. Boston Dataset -<https://archive.ics.uci.edu/ml/datasets/Housing>).
  2. Plot training cost using Matplotlib in python.
  3. Implement cross-validation (Optional)

In the Wiki Page, include a brief description of your dataset and your approach/results for this task.

1. **(optional) Develop a Cardboard App that is relevant to your own project**

360 Video Viewer with an additional feature such as

* 1. Spatial audio:
     1. <https://developers.google.com/vr/android/spatial-audio>
     2. <https://developers.google.com/vr/ios/ndk/reference/group/audio>
  2. Head tracking.
     1. https://developers.google.com/vr/ios/ndk/reference/group/headtracking
  3. User input event handling.
     1. https://developers.google.com/vr/android/samples/treasure-hunt#handling\_inputs
  4. Game:
     1. https://developers.google.com/vr/android/samples/treasure-hunt