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# CS590V: Data Visualisation & Exploration

## Homework 1

Due: February 4, 2018 11:55PM

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**Goal:** The goal of this homework is to get you familiar with how HTML, CSS, and Javascript all work together. You will be creating an `.html` file, call it `index.html`, and giving us a link to [bl.ocks.org](http://bl.ocks.org) where we can view it.

**Data set:** For this assignment you may choose your own dataset. Do not pick a dataset that is very large as it will need to be uploaded on your github. The dataset should have a minimum of 5 columns and 300 rows.

**Submitting homework:** You will be submitting a link to your [bl.ocks.org](http://bl.ocks.org). Once you are done creating `index.html` you can upload it to [gist.github.com](https://gist.github.com) and then view it on [bl.ocks.org](http://bl.ocks.org). It is the link from [bl.ocks.org](http://bl.ocks.org) that you will be submitting. The link should be posted in the HW Forum on Moodle (instructions can be found on Piazza). Make sure you are using v4 of D3.

### Questions:

1. (20 points) Give your web page a heading with the name of your page, be sure to include your name with a subheading.
2. (15 points) On your webpage, write a paragraph describing what you hope to learn in the class, what experience you have with web programming, and anything else you would like.
3. (20 points) Use CSS to style your page. Style at least 3 elements of your page (background color, font, alignment etc)
4. (10 points) Provide a brief description of your data and a link to its source
5. (25 points) Include a **simple** D3 visualization with good code documentation
6. (10 points) Post the link to your HW1 [bl.ocks.org](http://bl.ocks.org) page on the HW forum.
7. (10 points) Extra credit: Go above and beyond