1. WebSite and Download:

https://sites.google.com/ucsd.edu/data-viz-report-yihengye/home
please refresh few times if you cannot see some of the charts.
Download link is at the bottom of the website, or you can download here:
https://drive.google.com/a/ucsd.edu/uc?export=download&id=1RdMMIX3Lcs0yJ4Eyy5KHPHj6jrpnO6qL

2. Source Code:

No coding tool is used in this process, but you can still see the website source code by press "Ctrl"+"U" if you are using chrome. Also, here is the github link for the html document and pdf report (Report-pdf) as well as single charts:
https://github.com/YihengYe/DSC106-HW2

3. Experience report:

First of all, I have to say, I am a data scientist, not a web developer so it is impossible for me to build a website from 0 in a week, since though I have the knowledge of writing html, there is still a lot work to do. I cannot buy a domain name and server space and setup everything else just for a single report! Therefore, I would like to use some website tools to 'build' my website, so you can see that I build my website on google sites. As png pictures lose some of features in my charts, I choose to embed my charts made by Tableau. Tableau is a good tool, since it provides easy and friendly interface to build my charts and I still have some 'coding freedom' to customize my charts. However, it had some problem when recognizing time format as it could not read the months in the form like 'Jan' so I had to take them as string to build my charts, which increased a little bit workload. Still, it is better for me to build them by code. I mean, I don't why we are using coding libraries that are hard to understand compared with tools' UI while still using some models and tuning parameters to reduce our workload just like tools' functions. When I was going through my datasets, I realized that many data are irrelevant since we are looking for the impact of impossible whopper and its main competitor is our hamburger. So, I focused on the hamburger data set to find the impact and it turned out that the impact is not that obvious after October. Then when doing the user study, I found the irregular data by drawing the pie chart and looked into fish fillet which performed differently. After all, I think my job is done well, but I still have to remind you that as I've picked my data, it is relying on my expertise that if you can have the most important data, and I did not write anything except my charts and titles since the decision should made by users not me. At last, the website I build, though working, sometimes do not show some charts and requires refreshing, I think it is the problem about embedding as they fail to load sometimes, but since I'm using google sites, I actually can do only few things about them, and it looks more like a problem on tableau server. But I guarantee the website works if you refresh sometimes Still, you can read the pdf report as well!