**EDA**

Walkthrough Video:

<https://berkeley.zoom.us/rec/share/K-9Myp-Bd9xtl4Cblk3sm1lb-F1gaxKeqd9WfQ4q4OWKPGvJmysZ9u2TbxtGSEr0.fLB9GoYKt4jeUbsl?startTime=1602389890000>

This week’s main focus is on Exploratory Data Analysis (EDA). We want to be able to use data to tell us more about concise information, and to do this, we want to extract what we can to create logical conclusions as a result. The example I gave focuses a lot on smoking behavior, and the correlation it has with age, insurance cost, etc. For this first week, we would like you to present your own take on what might be interesting about the data. Can you form connections between variables, and showcase them using visualization techniques?

The example contains various methods and functions to extrapolate data into a form we can easily see and understand. An important skill to develop throughout this project is working on how to learn new things on your own. This can come in the form of learning interesting techniques, or functions that pull useful information from our data. Please take some time to draw your own conclusions, and find an element that interests you! There are various topics to choose from, including:

* Impact of BMI with age/charges/region,etc.
* Age with children/region/etc.
* Anything else you can come up with on your own! Make this project unique!

Try to narrow down focus towards single things that might be impactful, and how they relate to other variables that we have access to. Also try to make clear visualizations that can highlight these details, which can also come in many forms. I would recommend reading a bit on seaborn, and exploring some of the potential plotting functions available to you. Ultimately, this first week is meant to get familiar with this dataset, as we move on to try new things with it.