Nvariant and AFS Parameter Selection:

- For default parameters from various ancestries, select "Default" and then select the desired ancestry. (Is there a need to mention sample size/ region size)
- For custom parameters select "Custom" and then input your phi and omega(Nvariants) or your alpha, beta, and *b*(AFS). These parameters can be obtained from the "Fit Target Data" tab if you do not already have them.
- To use parameters derived from some target data that you already have, select the "Fit" option and then navigate to the corresponding function under the "Fit Target Data" tab.
    - To upload, click "Choose File to Upload". Your file must be in a .txt tab deliminated format, with column names "Lower", "Upper", and "Prop" for AFS and "n" and "per_kb" for Nvariants.
    - If the file uploads correctly, you will see a graph appear that shows your plotted points next to the points that our fitted parameters generate.
    - If you are uploading AFS data, you must also provide the sample size that the data was collected from and state whether or not any of the provided MAC bins were calculated based on MAF.
        - If any bins were calculated based on MAF, please indicate which bin was the first to be calculated this way.
    - Once fitted parameters are uploaded, navigate back to the "Main" tab.
- If you have selected "Default" or "Custom" AFS parameters, you will see an option for either custom or default MAC bins.
    - If you select "Default" we will calculate the recommended bin sizes for you based on your target simulation size.
    - If you select "Custom", you will need to navigate to the "AFS" page under the "Functions" tab.
        - On the AFS page you will need to select custom bins again and input how many bins you want to have.
        - You will then be able to fill in the various boxes on the interactive table by double clicking and typing in each box to give your desired bins.
        - When you have finished inputting your custom bins, navigate back to the "Main" tab
- You can now provide the region size and sample size that you would like to simulate over in the numeric input boxes to the right of the multiple-choice selections.
- In order to download the final table that you see on the right side of the screen, click the "Download Table" button. This will provide you with the shown table in a tab deliminated .txt file.