Application 3: Population Pyramids

1. Open a new Tableau workbook
2. Click connect to data
3. Browse to the folder where stored the three exercise datasets
4. Click on BRFSS.Dataset3.csv
5. Notice the layout of the data, its structure, and the order
6. Click on sheet 1
7. We want to start by creating a few calculated fields.
   1. Click the drop down on BMI, select create, and select Calculated Field
   2. We want to create a weighted estimate of BMI.
   3. Type the following SUM([Bmi] \* [\_Llcpwt]) / SUM([\_Llcpwt])
   4. Name the new variable BMI\_W
8. Drag Question to the Filters shelf and select age.
9. Drag values to the Rows Shelf and drag BMI\_W to the columns shelf.
10. Drag Sex to the filters column and check female.
11. Change the color of the bars to purple and set the border of the bars to black.
12. Click the drop down menu on Values in the row shelf and select sort, Descending.
13. Double click on the worksheet tab and rename it to Female\_Age.
14. Right click on the BMI axis and select edit axis. Rename the Axis title to Body Mass Index.
15. Edit the title to read Female
16. Right click on the worksheet title and click duplicate.
17. Double click on the worksheet tab and rename it to Male\_Age.
18. Click on sex in the filters shelf and check edit filter. Uncheck female and check male.
19. Click on the colors mark and change the color of the bars to blue. Set the bar border to black.
20. Select the pull down arrow on Values in the Rows shelf and select sort, descending.
21. Edit the title to read Male
22. Create a new dashboard and title the worksheet Age\_BMI
23. Drag Female\_Age worksheet to the dashboard and then drag Male\_Age to the right side of the dashboard.
24. Go back to the Female\_Age worksheet, select the pull down menu on Values in the Rows column and uncheck Show Header
25. Right click on the BMI axis and select edit axis. Click the reversed box.
26. Go back to the dashboard and resize the male worksheet sot that the bars are of equal length and the ages are centered.
27. Edit the size of your dashboard to Laptop Browser.
28. Create a new worksheet and title it Caption.
29. Go back to your dashboard and drag the Caption worksheet to the bottom of the dashboard.
30. Double clock on the Caption and edit the caption title to include notes and source information. Reduce the size of the font.
31. Resize Caption.
32. Click on the Female worksheet in your dashboard and click on the pull down menu on the right. Select fit and check fit to entire view. Do the same for the Male worksheet.
33. Save your work and play your Dashboard.