May 13, 2016: QlikView User Guide

In this QlikView User Guide, you will create <u>charts, listboxes, and summary statistics and compile into a dashboard.</u>

Contents

Administration:

First, you will need to install the software and obtain the data file.

    a.   Download QlikView

    b.   Excel file: "Computations.xlsx" (Download link: http://www.nvc.vt.edu/rmajor/bit5534/Docs/Computations.xlsx)

Charts to Build:

Below will be a sequence of instructions on creating the exact dashboards below (and as shown on the website http://www.nvc.vt.edu/rmajor/bit5534/Dashboards.htm:
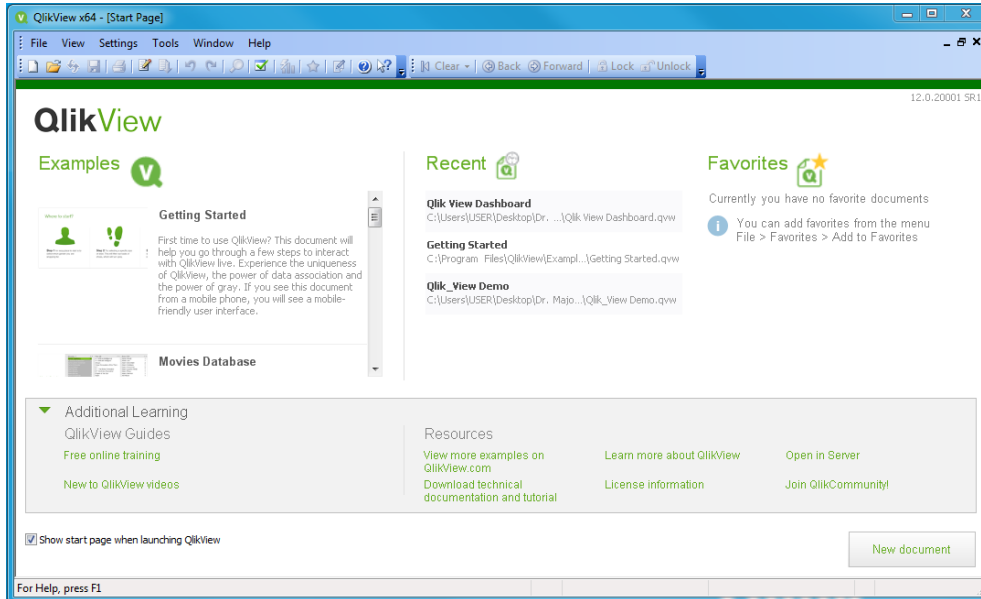
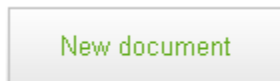## QlikView: Dashboard for Demographics
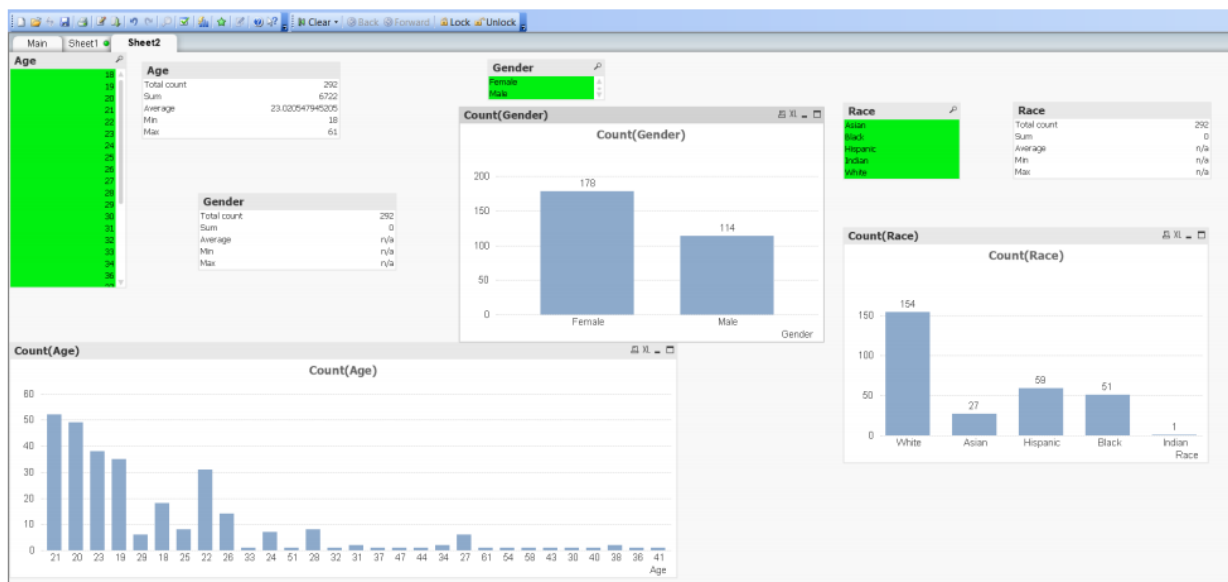
Above is the dashboard as displayed on the course website:
http://www.nvc.vt.edu/rmajor/bit5534/Docs/Qlik_Demographics.pdf

Step 1: Open up QlikView.

2: Click on the "New document" button at the bottom right side corner.


3: Getting Started Wizard – Click the Browse button and locate the downloaded "Computations.xlsx" file. (Visit this page if you need to download: http://www.nvc.vt.edu/rmajor/bit5534/Docs/Computations.xlsx) Then click the Next step button.
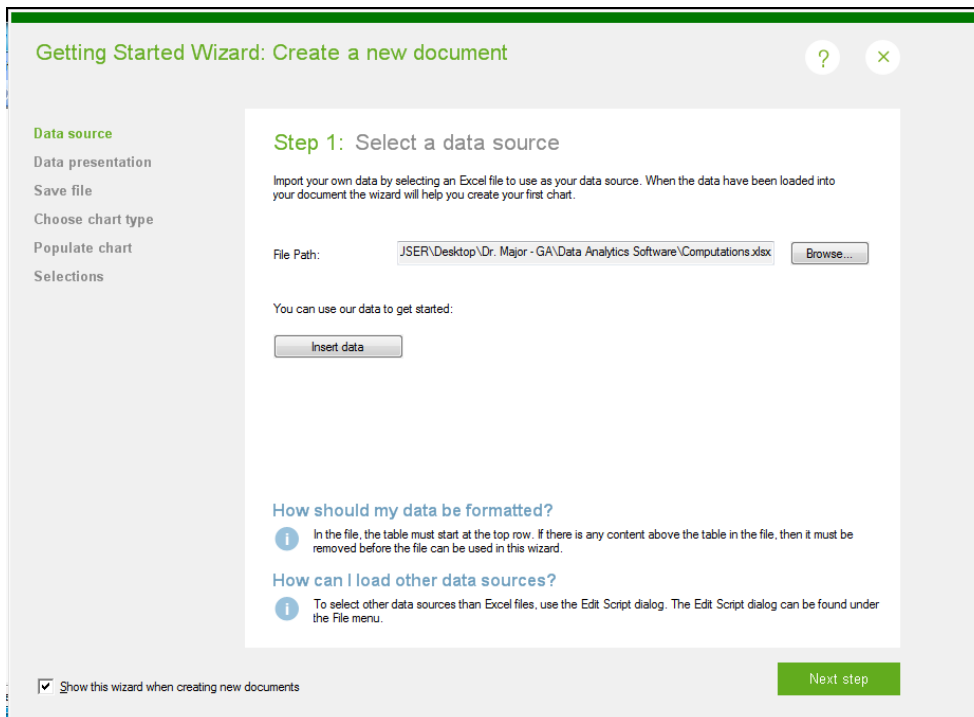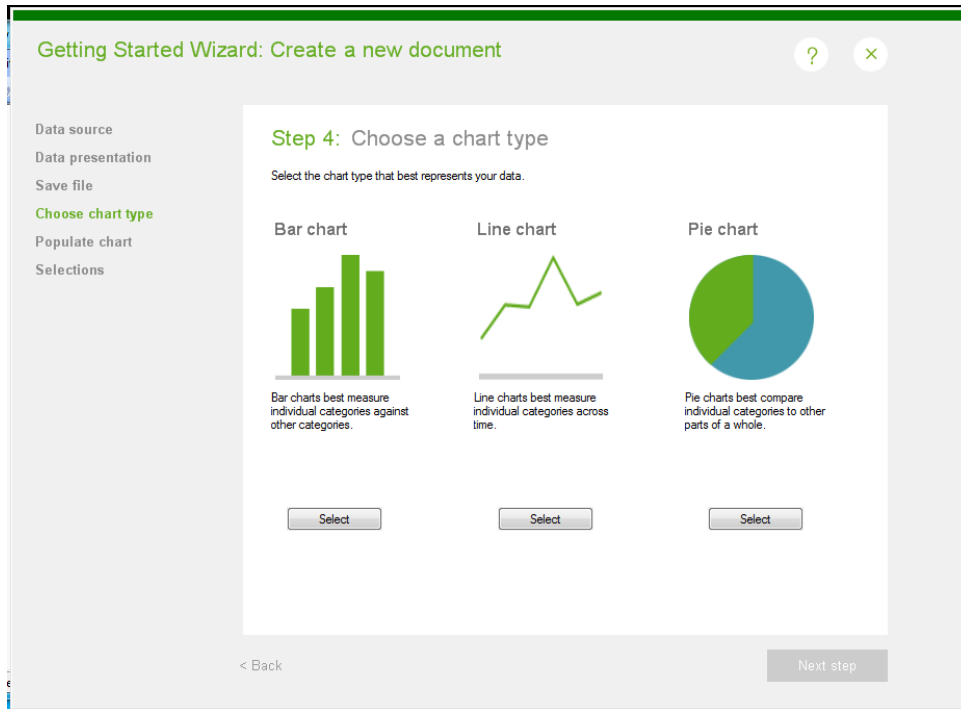
4: Keep the Column Headers as is by ensuring "Use column headers from data file" is selected. Click Next step to continue.
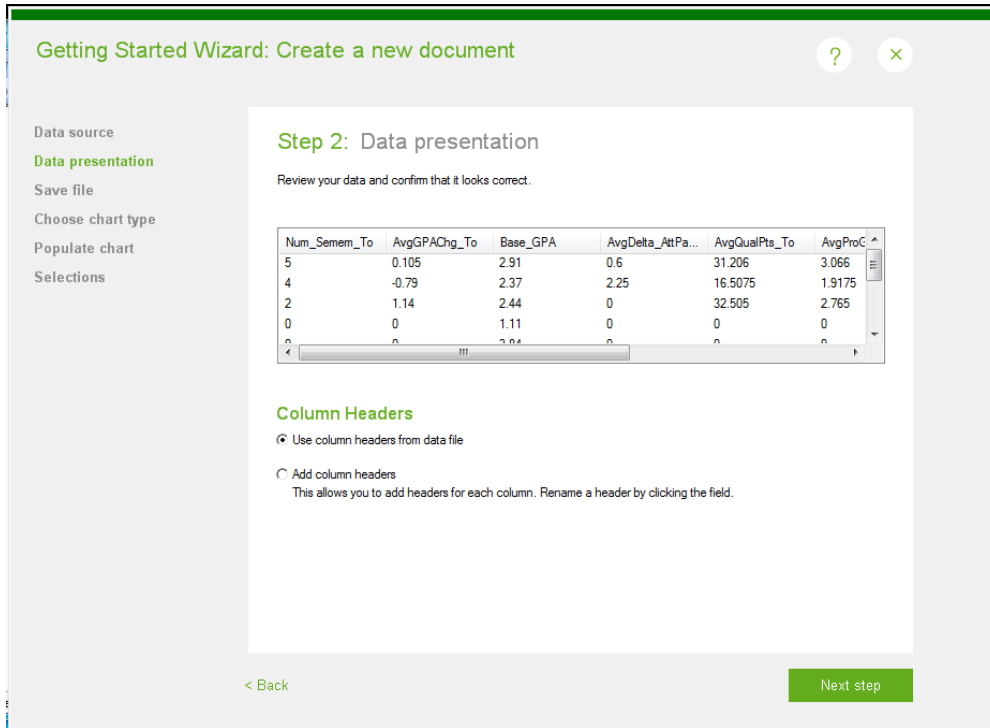
5: Save the file as anything you would like in a folder directory. I will save mine as "Qlik_View Demo." Click save then click Next Step:
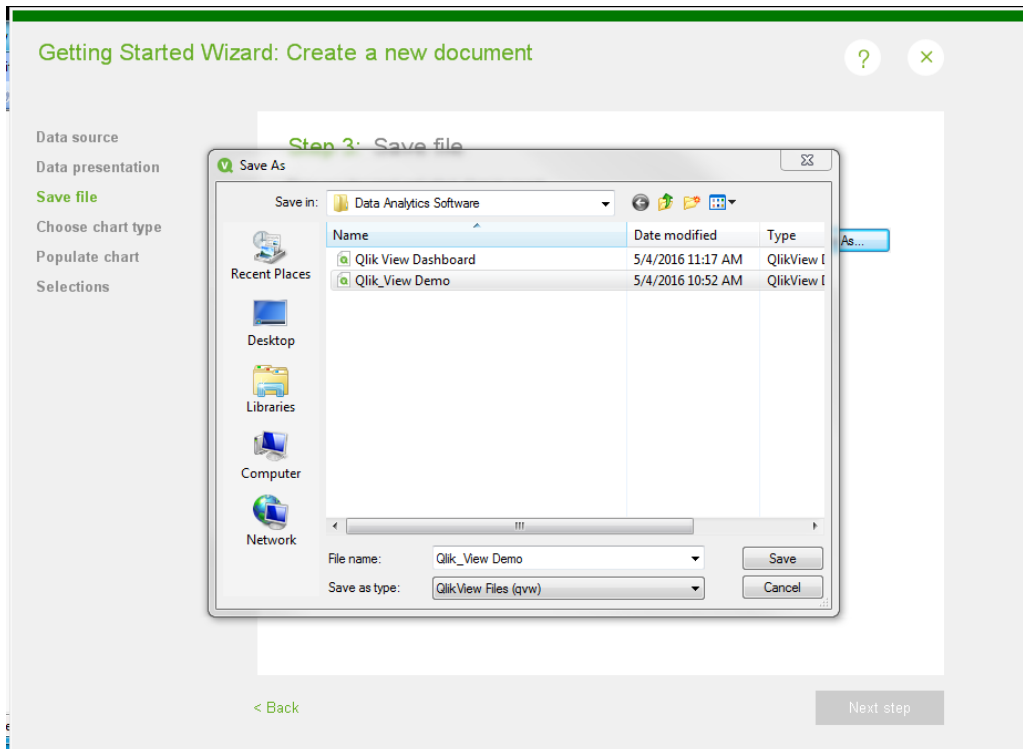
6: Getting Started Wizard: Create a new document:

a. Now that QlikView is populated with the data, we will click out of the wizard by clicking the "x" button at the top right corner. We will make the objects from scratch.

b. Now you will have a completely blank screen like such:
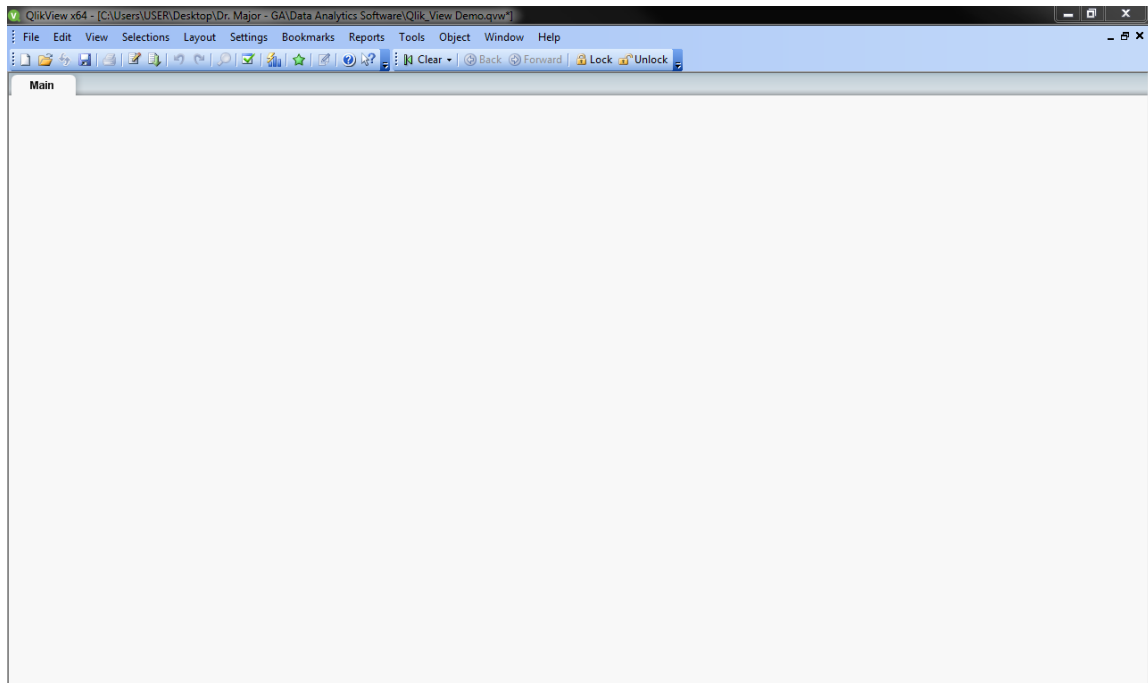
7: First we will create the bar graphs.

    a.   Click on the "Quick Chart Wizard" button located in the upper toolbar:
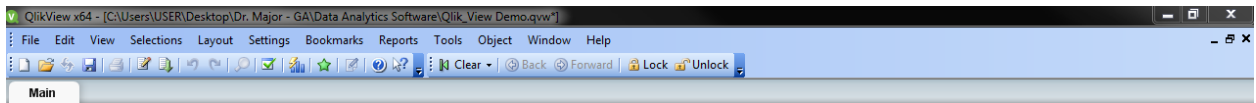
    b.   The Quick Chart Wizard pops up with instructions. Familiarize yourself with the content, then click next:
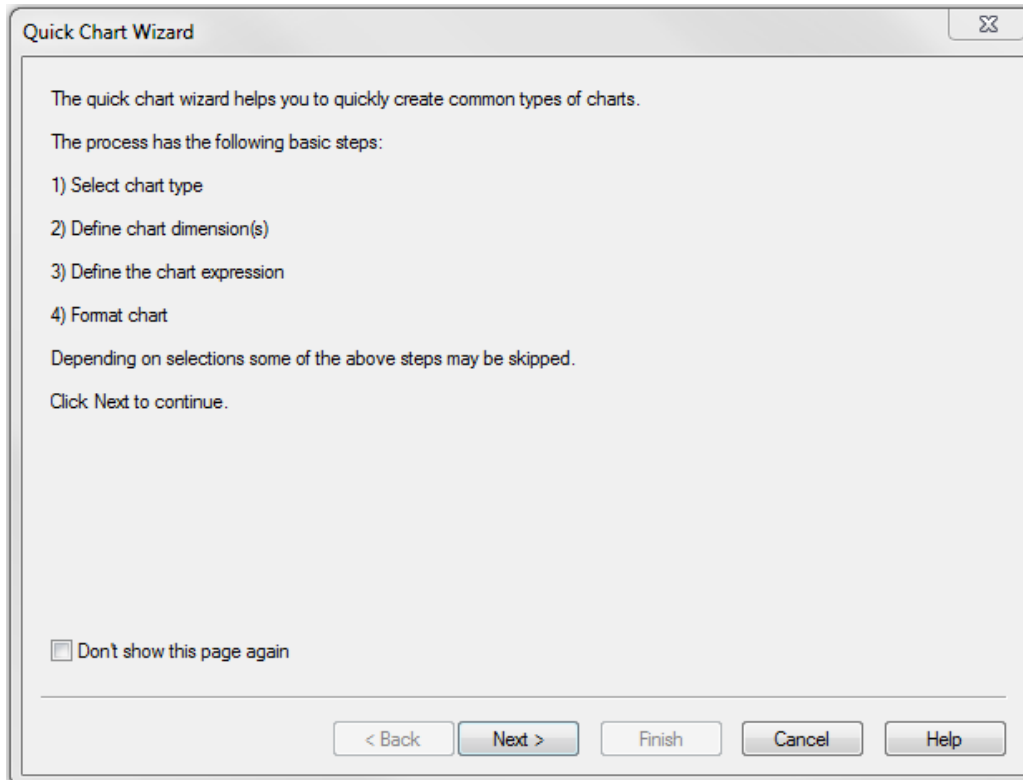
c. Choose Bar Chart then click Next >

d. Choose Age as the First Dimension. Then click Next >:
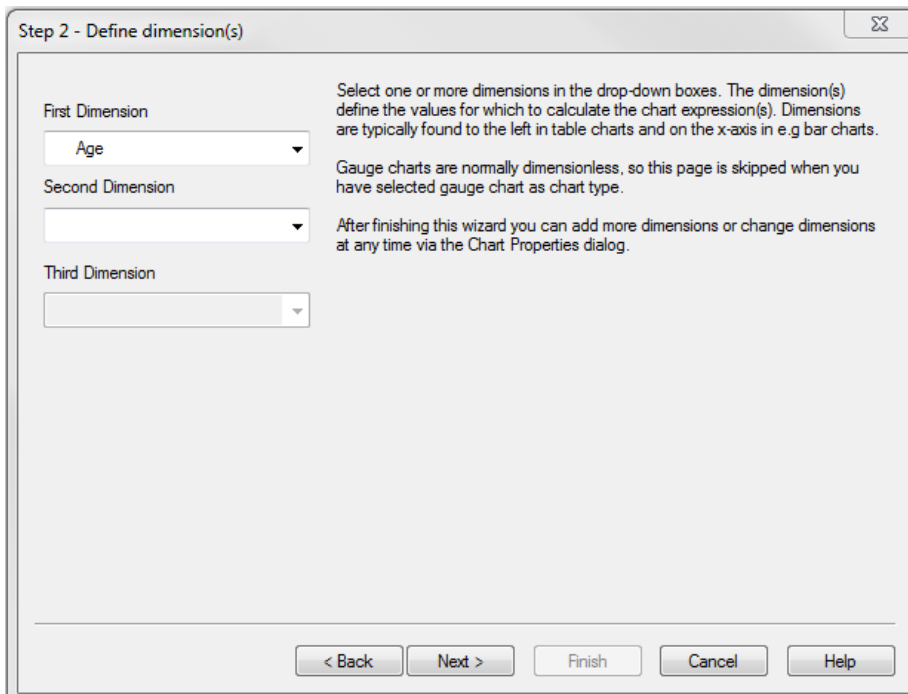
e. Select the "Count" option button then click Next >:
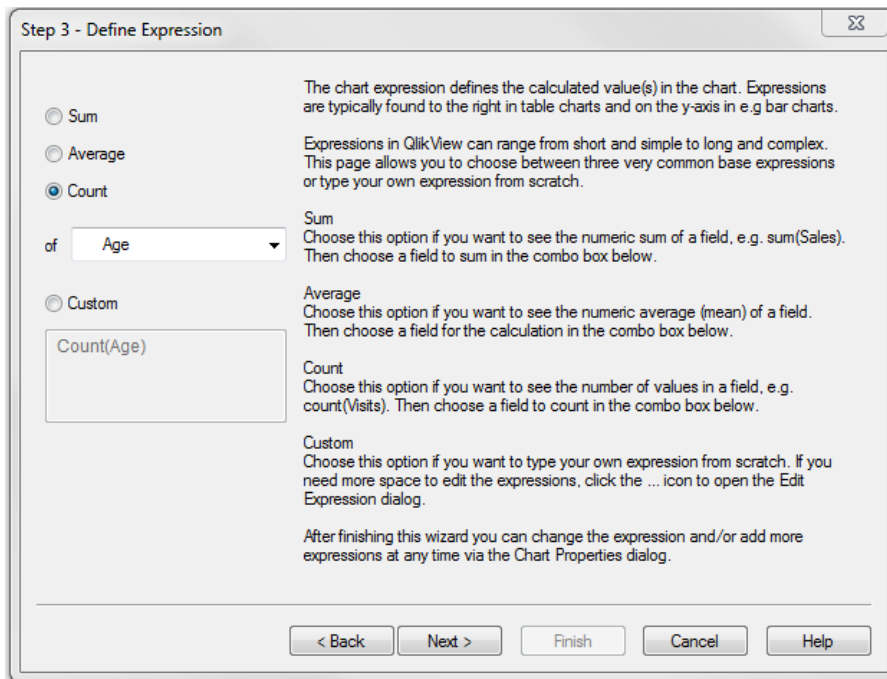
f. Keep the settings as is and click Finish
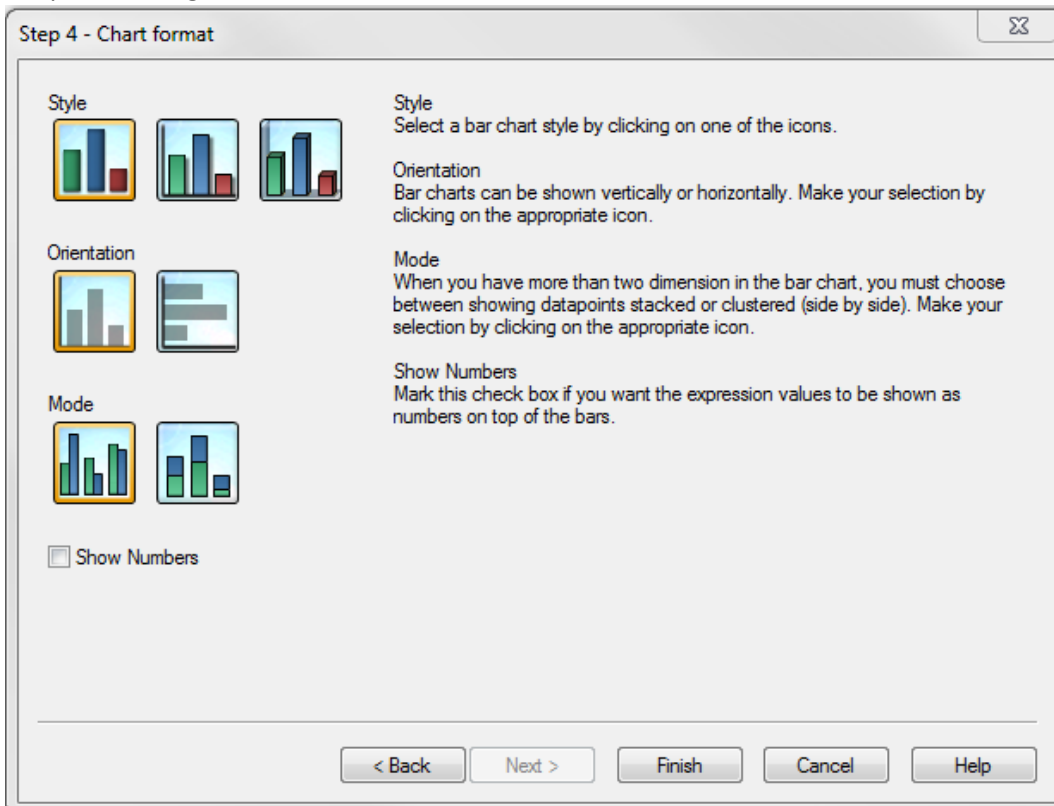
g. The bar graph for Age has been devised with a title of Count(Age). Expand the chart, so all numbered ages are sequentially aligned. The first bar graph is complete.
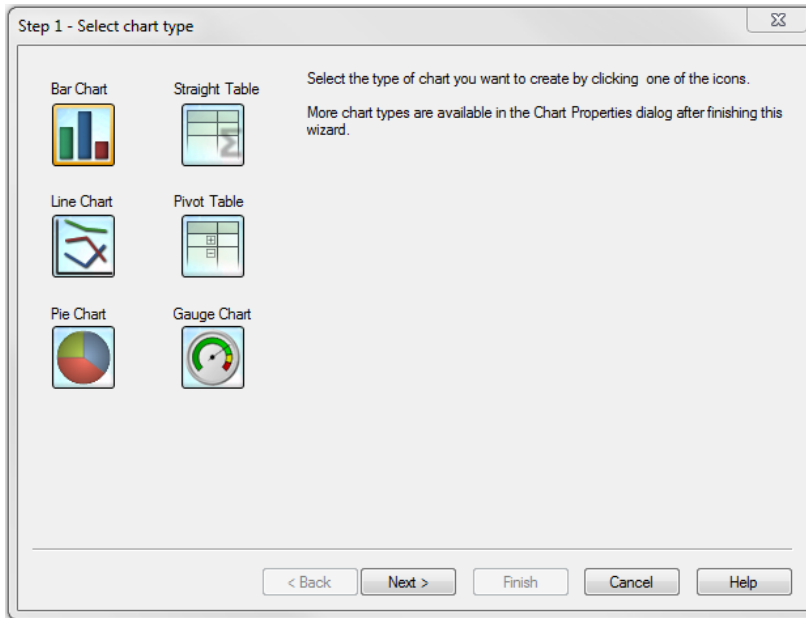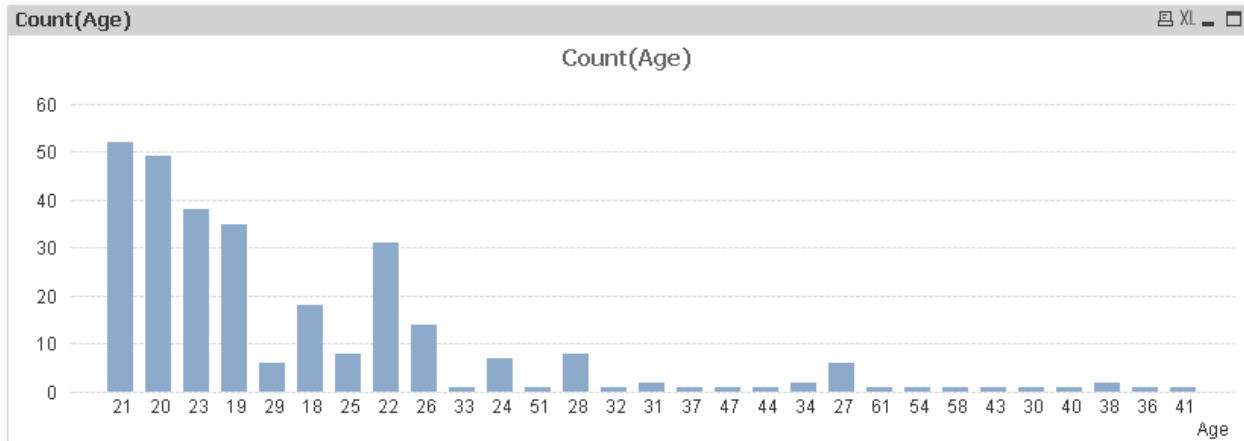

8: Next we will generate the bar charts for "Gender" and "Race," which will require two additional iterations of wizard use. For the sake of brevity, this manual will presume you can pull up the wizard and choose "Gender" and "Race". The final steps with visuals will be shown below:

a. Click on the Quick Chart Wizard.
b. Choose Bar Chart. Click Next
c. Choose "Gender" as the first dimension. Click Next.
d. Choose the Count option and choose "Gender" in the drop-down box. Click Next.

e. Lastly, on Step 4 – Chart format, select the checkbox "Show Numbers" to display the count above the bars on the bar chart. Then click "Finish"
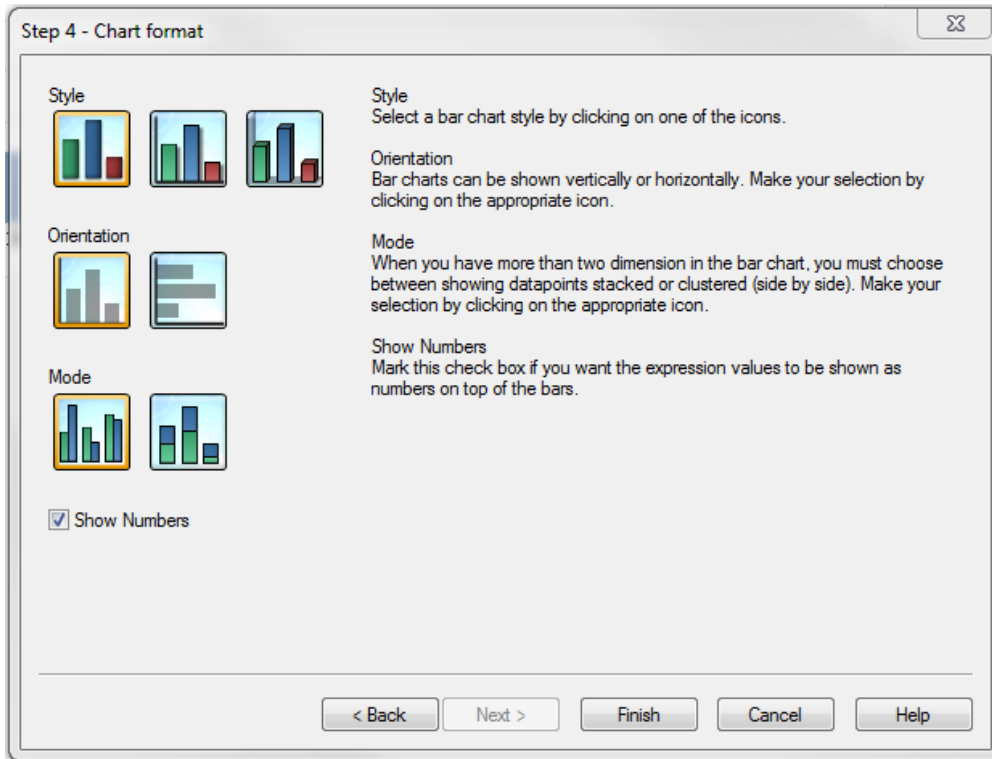
f. The final Gender bar chart will look as follows:
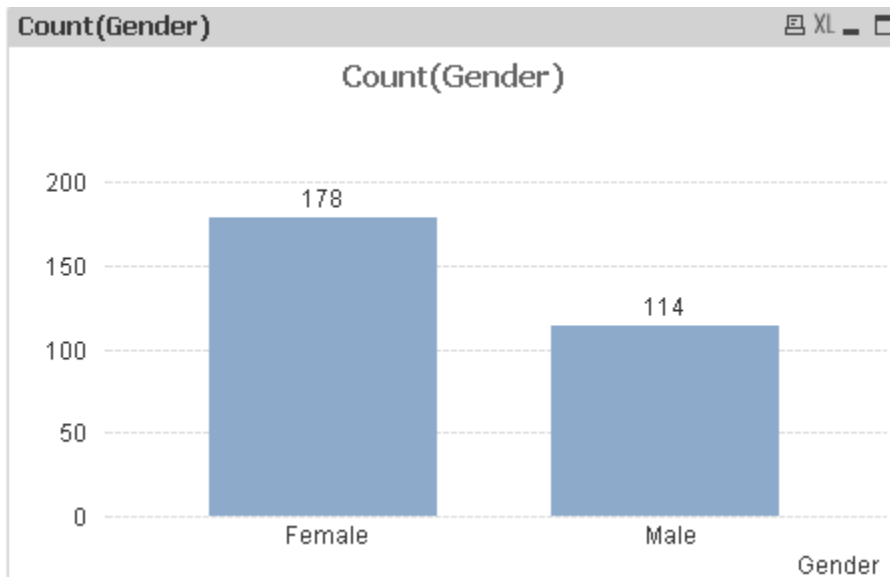
g. Repeat the steps above for "Race" and the final Race bar chart will look as follows:
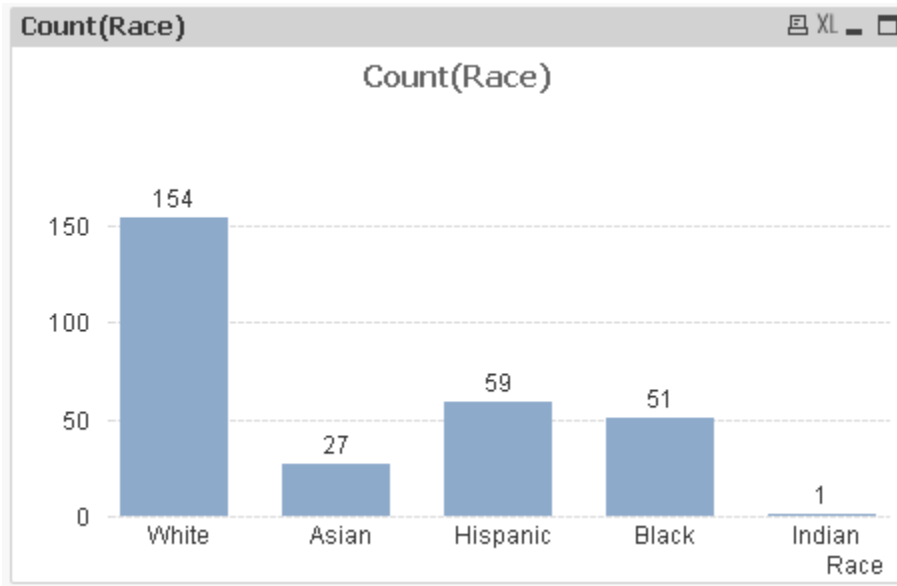
h. Configure you layout within your dashboard as you please. Here is what our dashboard looks like so far:
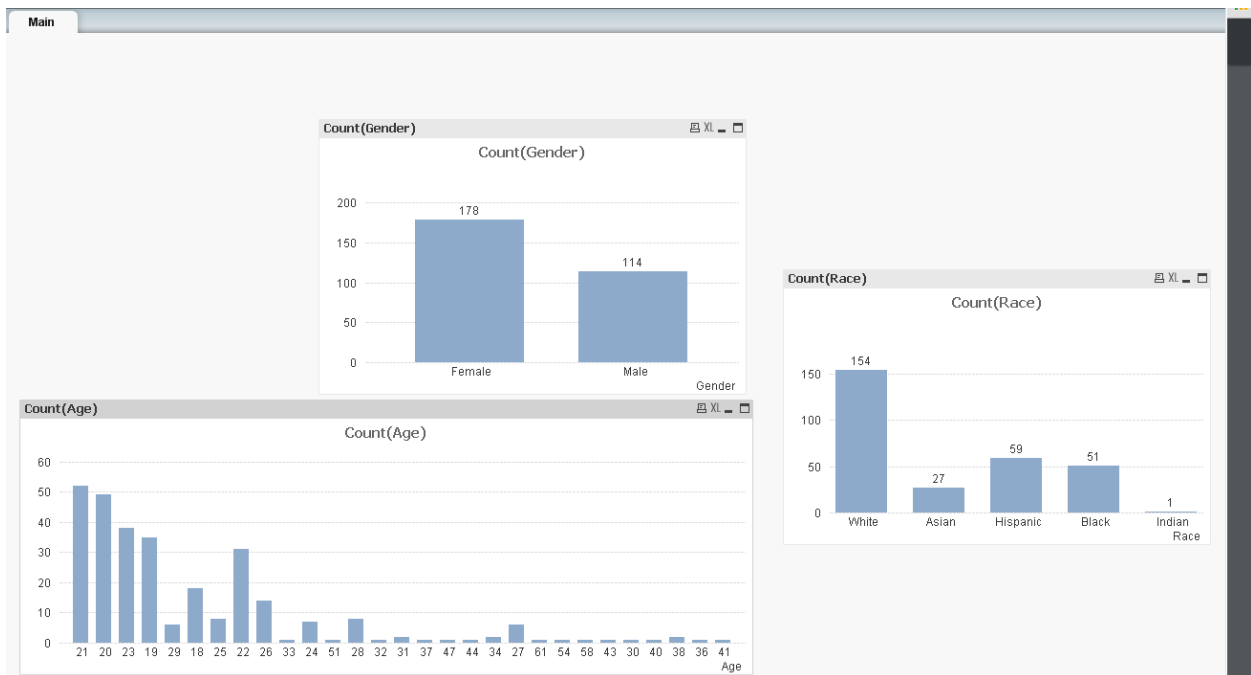
9: Now we will create the list boxes and summary statistics with the use of right clicks.

   a. Right click within the dashboard and select "Select Fields…"
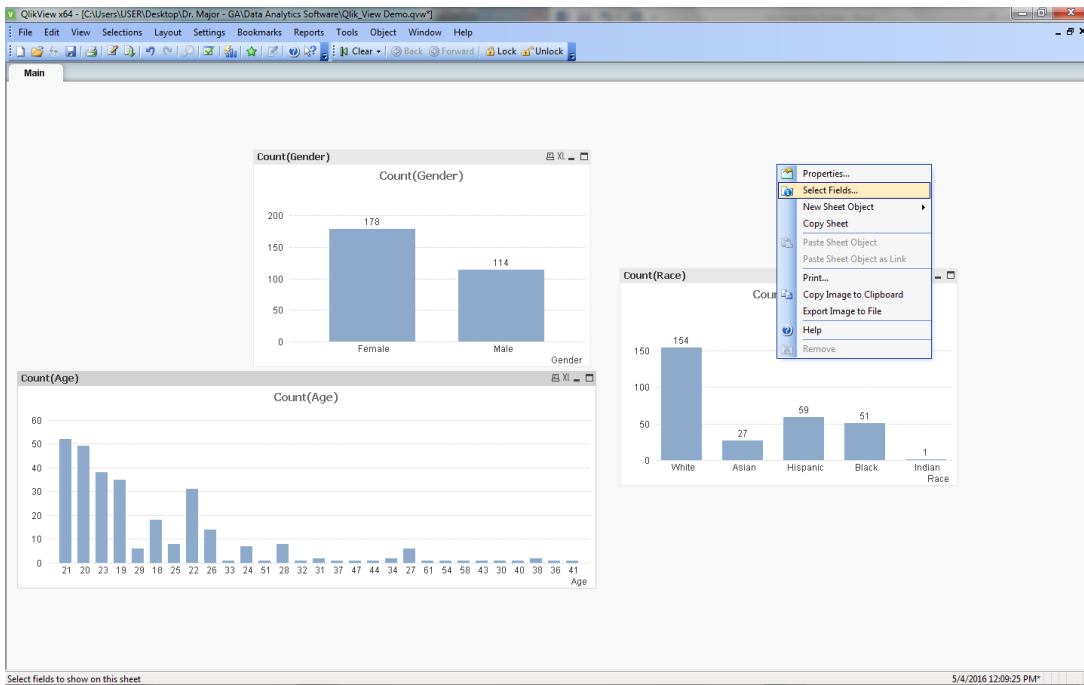
   b. Select "Age", "Gender", and "Race" from the Available Fields then click Add > to load into Fields Displayed in Listboxes. Then click OK.
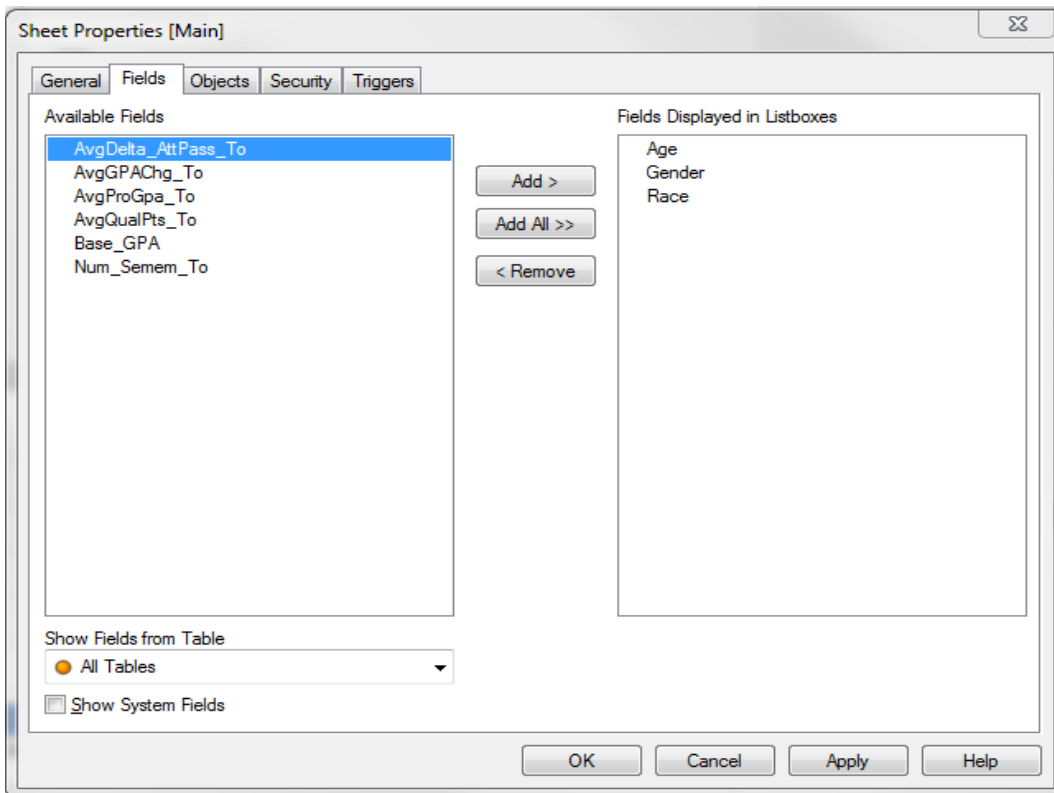
c. The populated listboxes were generated, so rearrange positioning on the dashboard to your liking.

d. Now, multi select all items in the Age, Gender, and Race listboxes, so all are highlighted Green. Ours looks as follows:
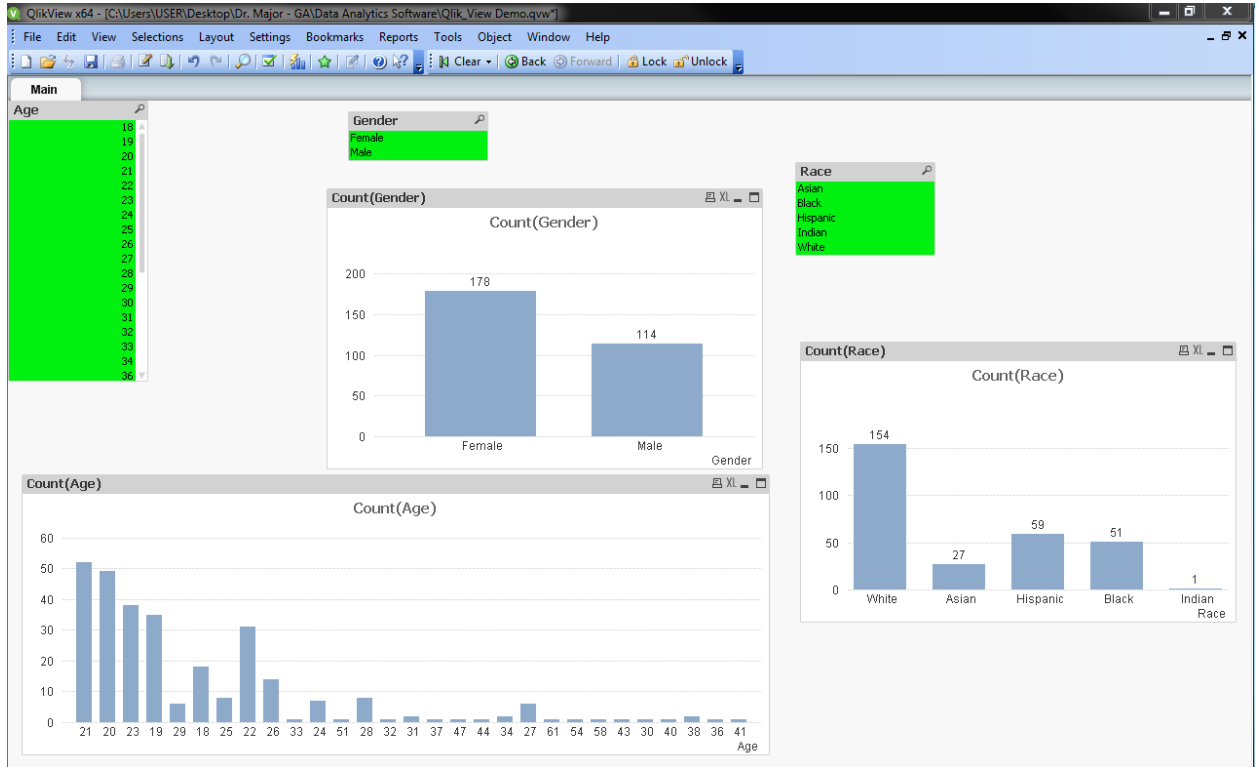
e. Lastly, right click each of the list box titles, starting with "Age" then choose "Create Statistics Box"
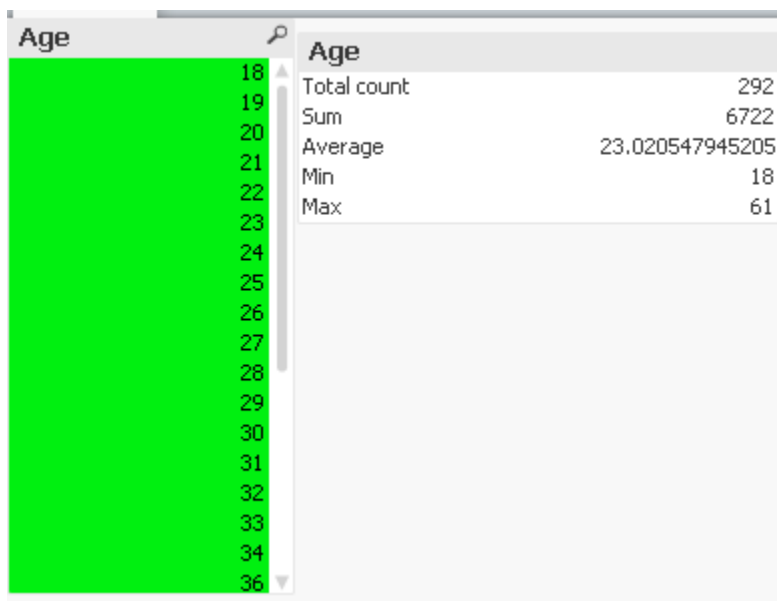
f.   Then do the same for Gender and Race. Right click the list box titles for each and select "Create Statistics Box" (Again, be sure to highlight all items in the list box. The summary statistics will only calculate based on the items selected in the list box)

g.   Arrange the Statistics boxes to your desired positions, and your final dashboard should look similar to this:
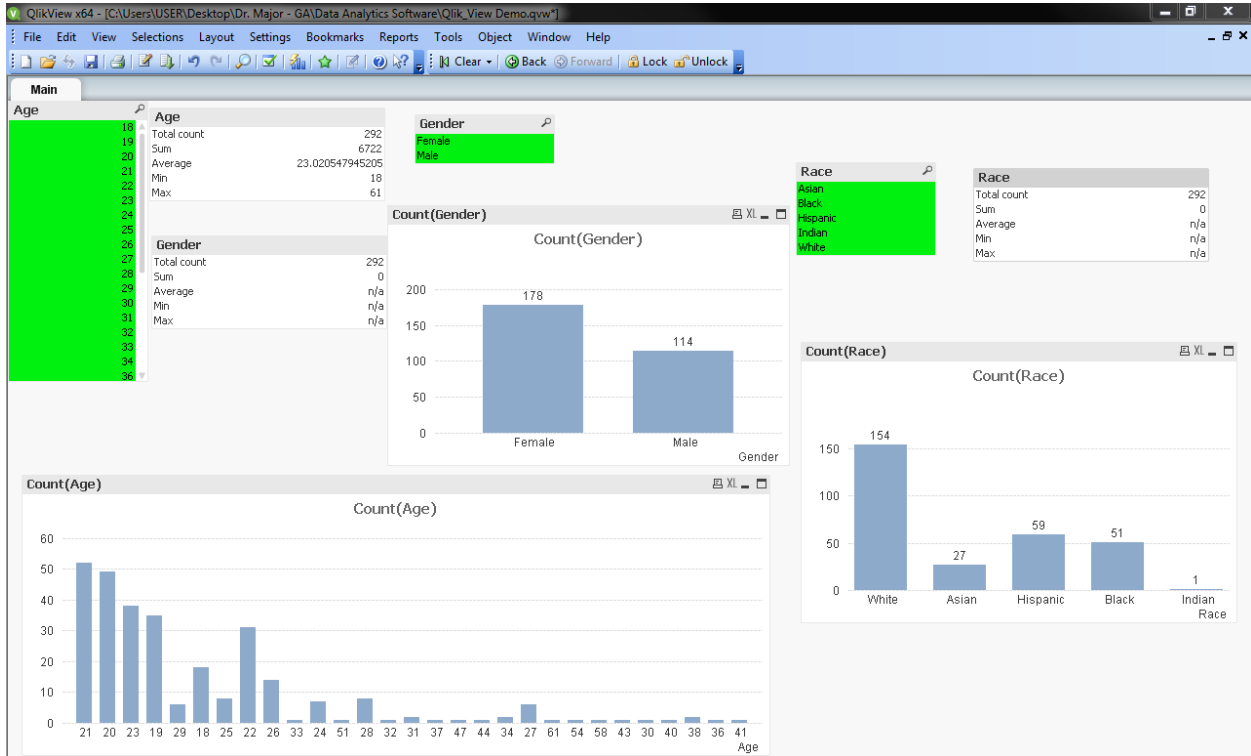
QlikView: Dashboards for Computed Metrics
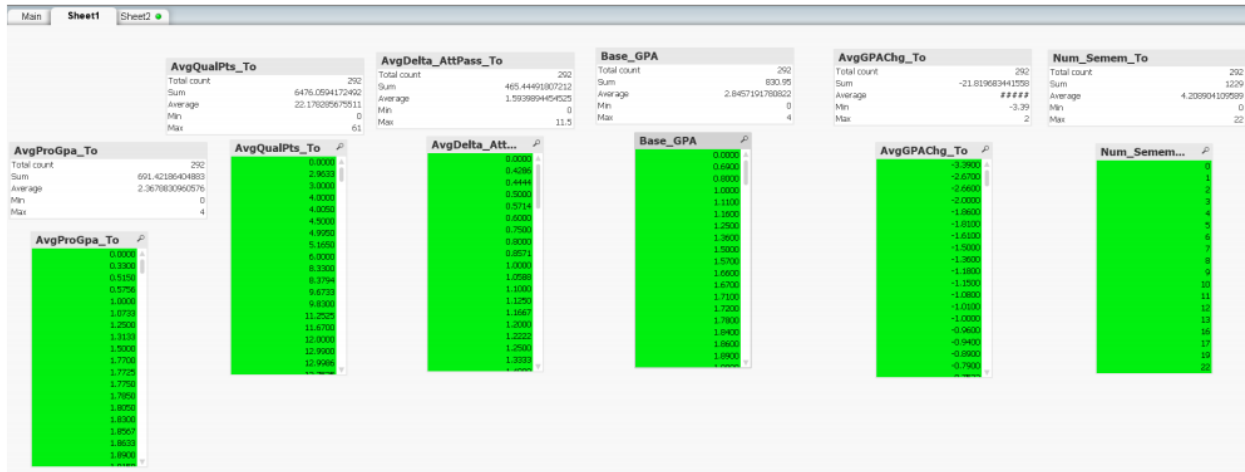
Above is the QlikView Dashboard as displayed on the course website:

http://www.nvc.vt.edu/rmajor/bit5534/Docs/Qlik_Metrics.pdf

Step 1: We are assuming you've just completed the demographics dashboard and need to add a sheet. Here's how:

    a.   Click on the Layout button on the toolbar:
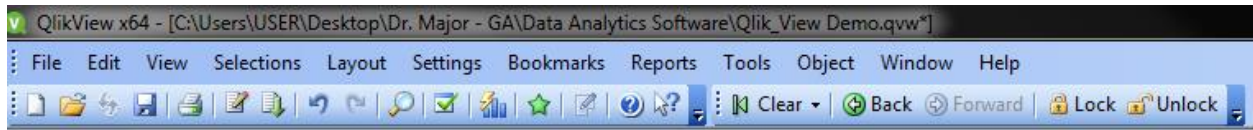
    b.   Click on "Add Sheet" and a new blank sheet will appear.
    c.   Right click on the dashboard and click on "Select Fields …"
    d.   Now choose the following metrics from the Available Fields and add to the Fields Displayed in Listboxes:
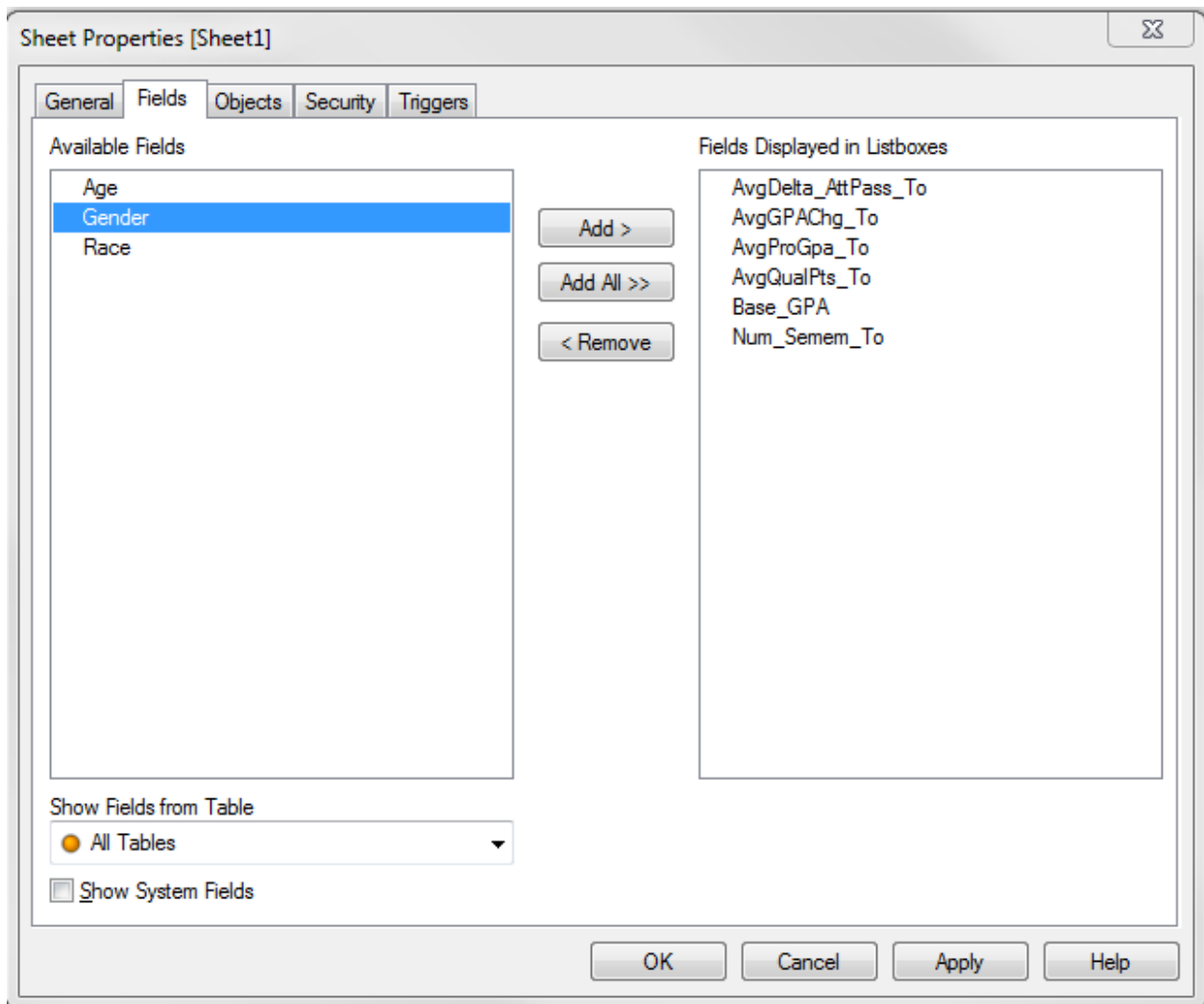
e. The listboxes will be generated. Position each according to your liking. My charts are positioned as such:

AvgQualPts_To
0.0000
2.9633
3.0000
4.0000
4.0050
4.5000
4.9950
5.1650
6.0000
8.3300
8.3794
9.6733
9.8300
11.2525
11.6700
12.0000
12.9900
12.9986

AvgDelta_Att...
0.0000
0.4286
0.4444
0.5000
0.5714
0.6000
0.7500
0.8000
0.8571
1.0000
1.0588
1.1000
1.1250
1.1667
1.2000
1.2222
1.2500
1.3333

Base_GPA
0.0000
0.6900
0.8000
1.0000
1.1100
1.1600
1.2500
1.3600
1.5000
1.5700
1.6600
1.6700
1.7100
1.7200
1.7800
1.8400
1.8600
1.8900

AvgGPAChg_To
-3.3900
-2.6700
-2.6600
-2.0000
-1.8600
-1.8100
-1.6100
-1.5000
-1.3600
-1.1800
-1.1500
-1.0800
-1.0100
-1.0000
-0.9600
-0.9400
-0.8900
-0.7900

Num_Semem...
0
1
2
3
4
5
6
7
8
9
10
11
12
13
16
17
19
22

AvgProGpa_To
0.0000
0.3300
0.5150
0.5756
1.0000
1.0733
1.2500
1.3133
1.5000
1.7700
1.7725
1.7750
1.7850
1.8050
1.8300
1.8567
1.8633
1.8900

f. Select all the items in each of the listboxes, then right click and choose "Create Statistics Boxes" for each of the 6 listboxes. The final result will look as follows:

AvgQualPts_To
Total count	292
Sum	6476.0594172492
Average	22.178285675511
Min	0
Max	61

AvgDelta_AttPass_To
Total count	292
Sum	465.44491807212
Average	1.5939894454525
Min	0
Max	11.5

Base_GPA
Total count	292
Sum	830.95
Average	2.8457191780822
Min	0
Max	4

AvgGPAChg_To
Total count	292
Sum	-21.819683441558
Average	#####
Min	-3.39
Max	2

Num_Semem_To
Total count	292
Sum	1229
Average	4.208904109589
Min	0
Max	22

AvgQualPts_To
0.0000
2.9633
3.0000
4.0000
4.0050
4.5000
4.9950
5.1650
6.0000
8.3300
8.3794
9.6733
9.8300
11.2525
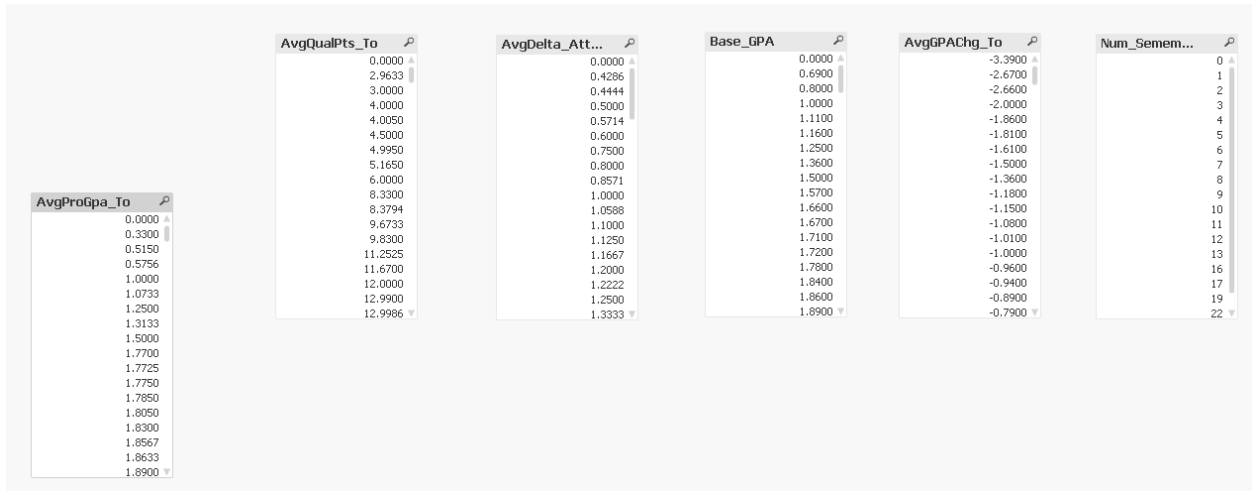11.6700
12.0000
12.9900
12.9986

AvgDelta_Att...
0.0000
0.4286
0.4444
0.5000
0.5714
0.6000
0.7500
0.8000
0.8571
1.0000
1.0588
1.1000
1.1250
1.1667
1.2000
1.2222
1.2500
1.3333

Base_GPA
0.0000
0.6900
0.8000
1.0000
1.1100
1.1600
1.2500
1.3600
1.5000
1.5700
1.6600
1.6700
1.7100
1.7200
1.7800
1.8400
1.8600
1.8900

AvgGPAChg_To
-3.3900
-2.6700
-2.6600
-2.0000
-1.8600
-1.8100
-1.6100
-1.5000
-1.3600
-1.1800
-1.1500
-1.0800
-1.0100
-1.0000
-0.9600
-0.9400
-0.8900
-0.7900

Num_Semem...
0
1
2
3
4
5
6
7
8
9
10
11
12
13
16
17
19
22

AvgProGpa_To
Total count	292
Sum	691.42186404883
Average	2.3678830960576
Min	0
Max	4

AvgProGpa_To
0.0000
0.3300
0.5150
0.5756
1.0000
1.0733
1.2500
1.3133
1.5000
1.7700
1.7725
1.7750
1.7850
1.8050
1.8300
1.8567
1.8633
1.8900