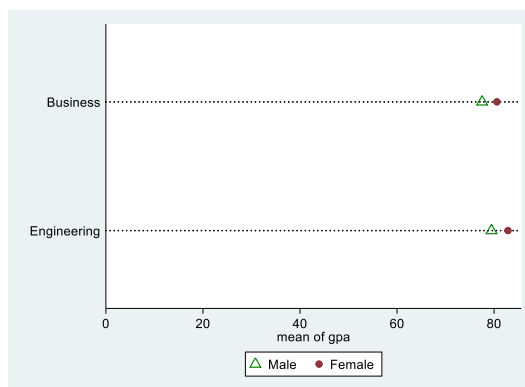


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In this section, we will go over some specific options for bar charts. To change the shape and color of the markers, we can use the **marker()** option together with many of the sub options that come with it:

```
graph dot gpa, asyvar over(gender) over(college) marker(1, msymbol(Th)  
mcolor(green) msize(large))
```



The option **mcolor()** specifies the color for the marker and the option **msymbol()** specifies the shape. To see a list of the colors that you can specify, execute the following command:

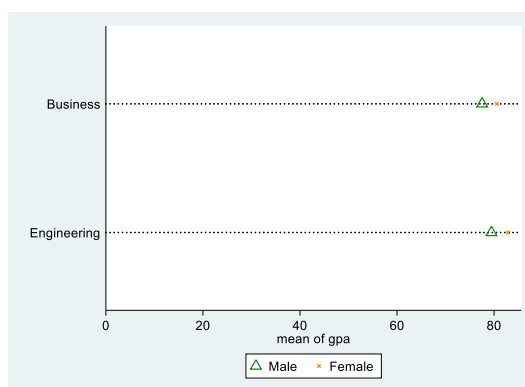
```
graph query colorstyle
```

To see a list of symbols that you can specify, execute the following command:

```
help symbolstyle
```

If we want to change the color of the female dot, we would execute:

```
graph dot gpa, asyvar over(gender) over(college) marker(1, msymbol(Th)  
mcolor(green) msize(large)) marker(2, msymbol(X) mcolor(orange) msize(medsmall))
```

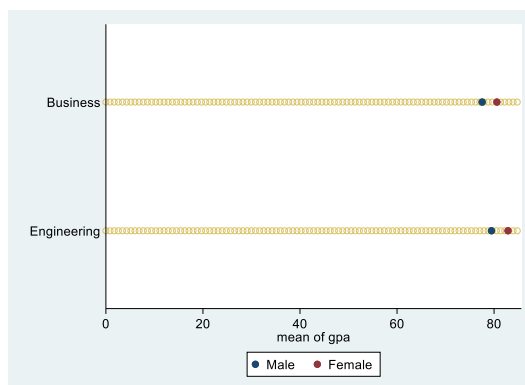


Not only can we change the color and shape of the markers, but we can also change the look of the horizontal dots that represent the grids. To do this, we will need to use the **dots()** option along with the many sub options that come with it:

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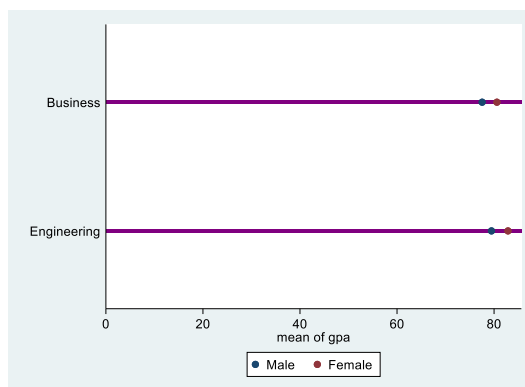
```
graph dot gpa, asyvar over(gender) over(college) dots(msymbol(Oh) msize(medium)  
mcolor(sand))
```



We told Stata that the dots should appear as hollow circles, that their size should be medium, and that their color should be sand.

We can also tell Stata to use lines instead of dots:

```
graph dot gpa, asyvar over(gender) over(college) linetype(line) lines(lwidth(thick)  
lcolor(purple))
```



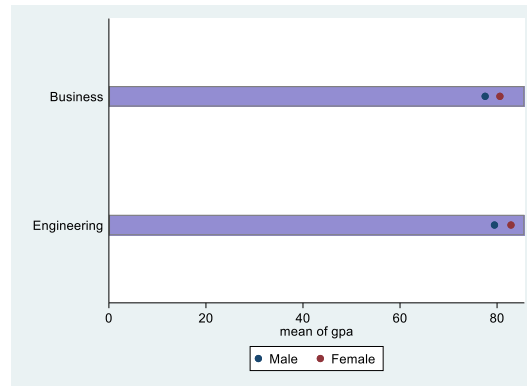
Here we specified the **linetype(line)** option to tell Stata to use lines instead of dots, and then we specified the look of the lines using the **lines()** option, where we specified that the lines should be purple and thick.

We can also specify that rectangles be used instead of dots or lines:

```
graph dot gpa, asyvar over(gender) over(college) linetype(rectangle) rwidth(4)  
rectangles(fcolor(lavender))
```

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Notice that unlike when we used lines, the width of the rectangle is set in an option by itself using the **rwidth()**, and not as part of the **rectangles()** option.