

The most detailed part of this section dealt with drawing histograms. As we saw, histograms can be drawn for different groups either by using the **by()** option, or by using the **twoway** command with the *if* qualifier. The choice depends on what the researcher is searching for. The sections that dealt with the box plot, the bar graph and the dot plot were brief and not detailed. This is because these tools are mostly used when we are conducting more sophisticated analysis, as we will be doing in the next section. Instead of just looking at differences in a variable between males and females for example, in the next section we will be looking at differences in the same variable between males in engineering, females in engineering, males in business, and females in business. Introducing more than one categorical variable will help us uncover more interesting patterns and answer more complex questions.