

Creating a Single Boxplot Using R

The data in this example is ages of female actors who won the Oscar for their work in a leading role. These Oscar winners are from twelve consecutive years. This data is found in Mario F. Triola, *Elementary Statistics*, 12th edition, 2014, page 751.

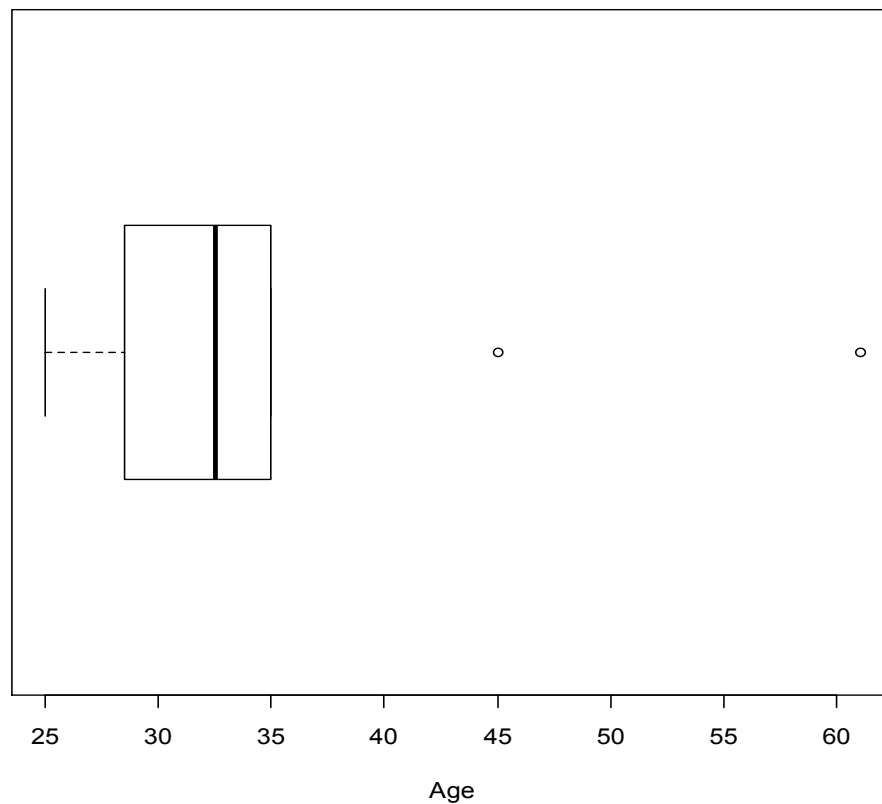
26	25	33	35	35	28	30	29	61	32	33	45
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Open the R program and type in the following. The first greater than sign (>) appears automatically. If you have written a complete command, R will run the command and then a greater than sign will appear on the next line when the "ENTER" key is pressed. If the command is not complete, a plus sign (+) will appear when the "ENTER" key is pressed.

```
> F <- c(26, 25, 33, 35, 35, 28, 30, 29, 61, 32, 33, 45)
> boxplot(F, horizontal=TRUE, main="Oscar Winning Female Actors:
+ Boxplot of Ages", xlab="Age")
```

When you press "ENTER" after the last line, the boxplot will appear as shown below.

Oscar Winning Female Actors: Boxplot of Ages



Right click on the graph and choose "Copy as Metafile". Then paste the graph into a Microsoft Word document. If you right click on the pasted graph, and then choose "Text Wrapping" and "Behind Text", you will be able to move the pasted graph around behind the text on the page.