

## Creating Side by Side Boxplots Using R

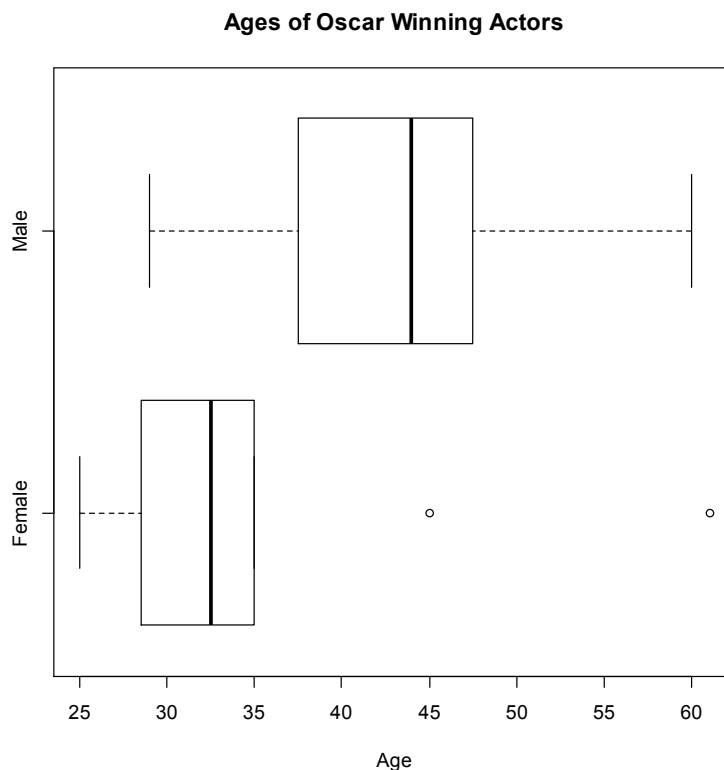
The data for this example is the ages of male and female actors who won the Oscar for their work in a leading role. These Oscar winners are from twelve consecutive years. The data is found in Mario F. Triola, *Elementary Statistics*, 12<sup>th</sup> edition, 2014, page 751.

Female	26	25	33	35	35	28	30	29	61	32	33	45
Male	46	40	36	47	29	43	37	38	45	50	48	60

Open the R program and type in the following. If you have written a complete command, R will run the command and a greater than sign (>) will appear on the next line when the “ENTER” key is pressed.

```
> F <- c(26, 25, 33, 35, 35, 28, 30, 29, 61, 32, 33, 45)
> M <- c(46, 40, 36, 47, 29, 43, 37, 38, 45, 50, 48, 60)
> genders <- c("Female", "Male")
> boxplot(F, M, names=genders, horizontal = TRUE,
+ main = "Ages of Oscar Winning Actors", xlab = "Age")
```

When you press “ENTER” after the last line, the boxplots will appear as shown below.



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.