

R Code for Examples in the book

"Statistics: The Art and Science of Learning from Data" by Agresti, Franklin and Klingenberg, 5th edition

Chapter 2

Example 12: Ideal Number of Children – Standard Deviation

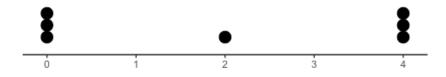
Read in values:

```
men \leftarrow c(0, 0, 0, 2, 4, 4, 4)
women \leftarrow c(0, 2, 2, 2, 2, 4)
```

Dotplot for values for men

Dotplot

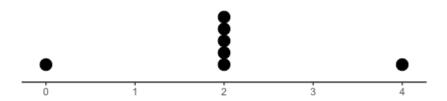
Men



Dotplot for values for women

Dotplot

Women



To find the Standard Deviation

```
sd(men)
## [1] 2
sd(women)
## [1] 1.154701
```