Lab 1 Analysis

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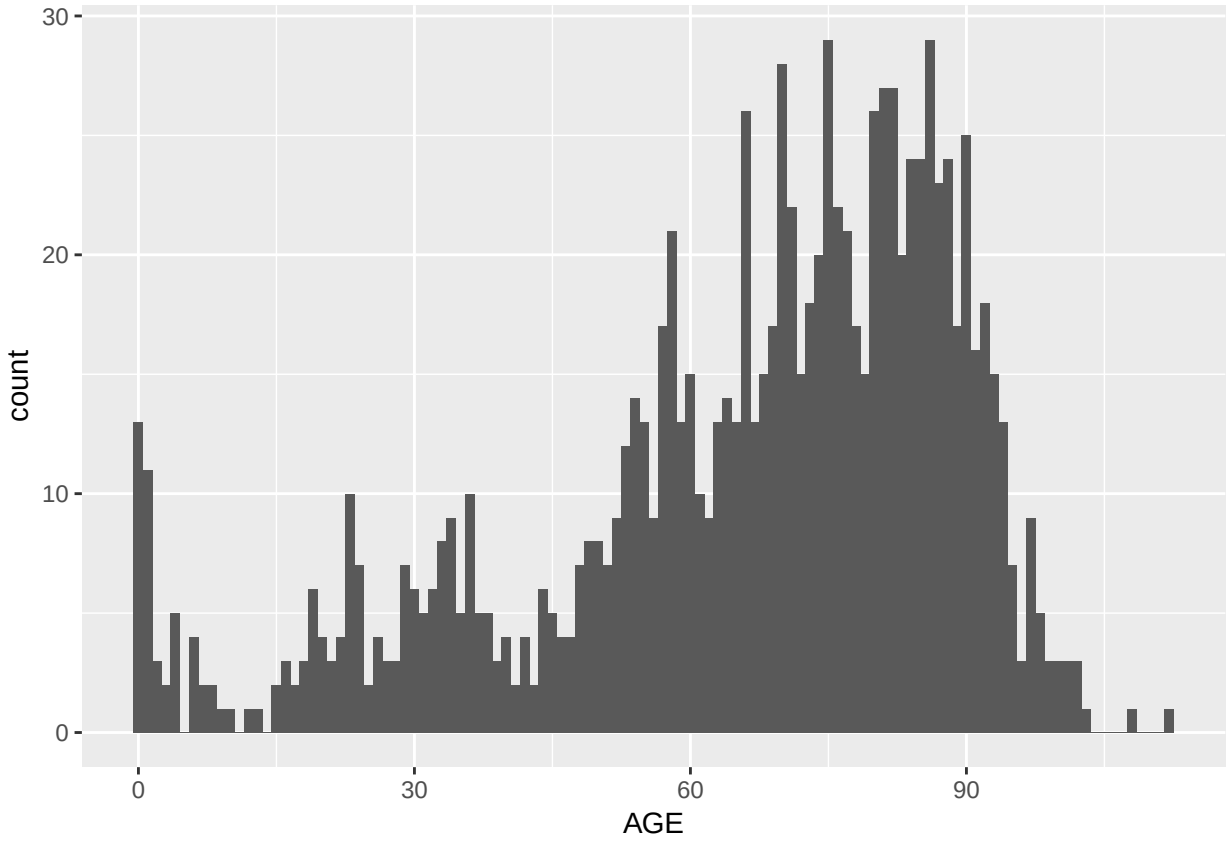
August 27 2018

Import required packages

Import and tidy data

Begin calculations and plotting



Statistical analysis

Is there *really* a difference?

```
##
##  Welch Two Sample t-test
##
## data:  male$AGE and female$AGE
## t = -5.8325, df = 1056.4, p-value = 7.252e-09
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -11.18065  -5.55150
## sample estimates:
## mean of x mean of y
##  61.62996  69.99604
```

Survivorship curve

So how would we program a way to calculate the "classic" way of displaying survivorship information?

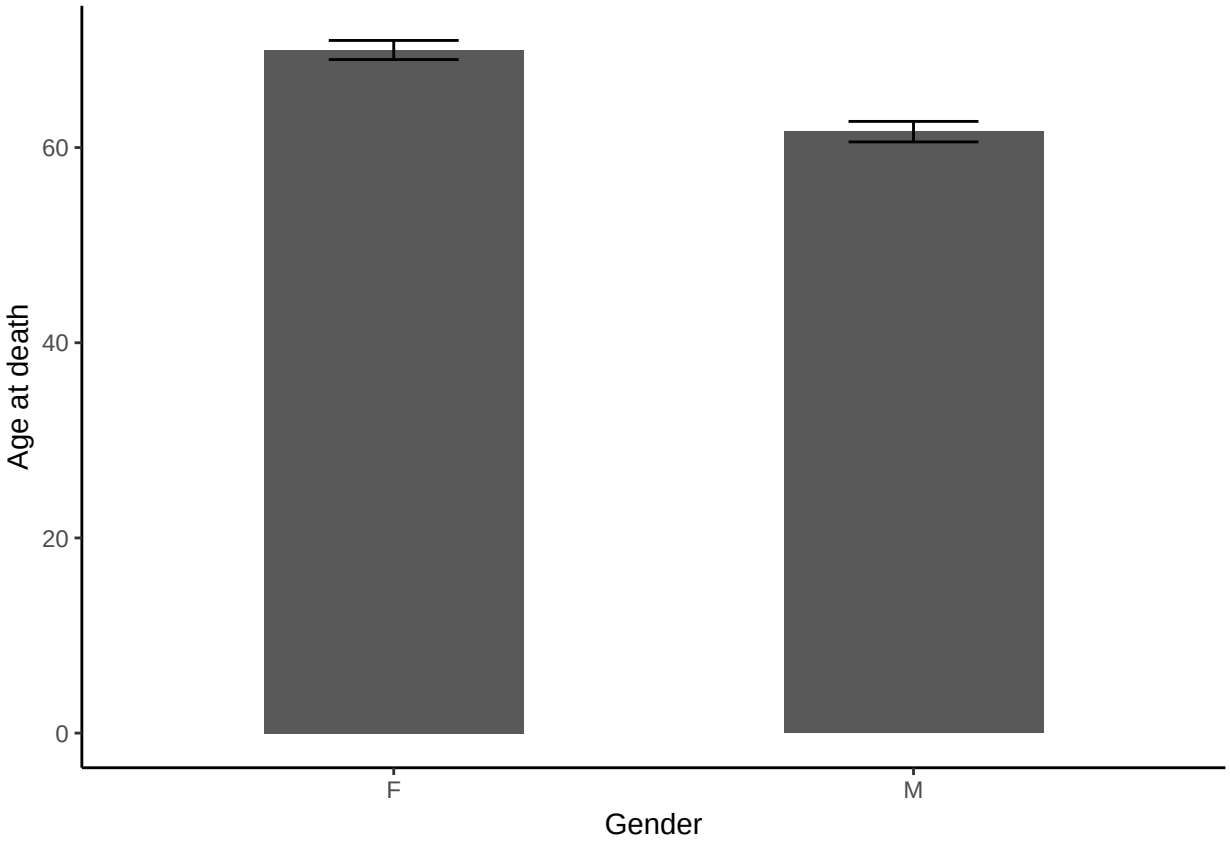
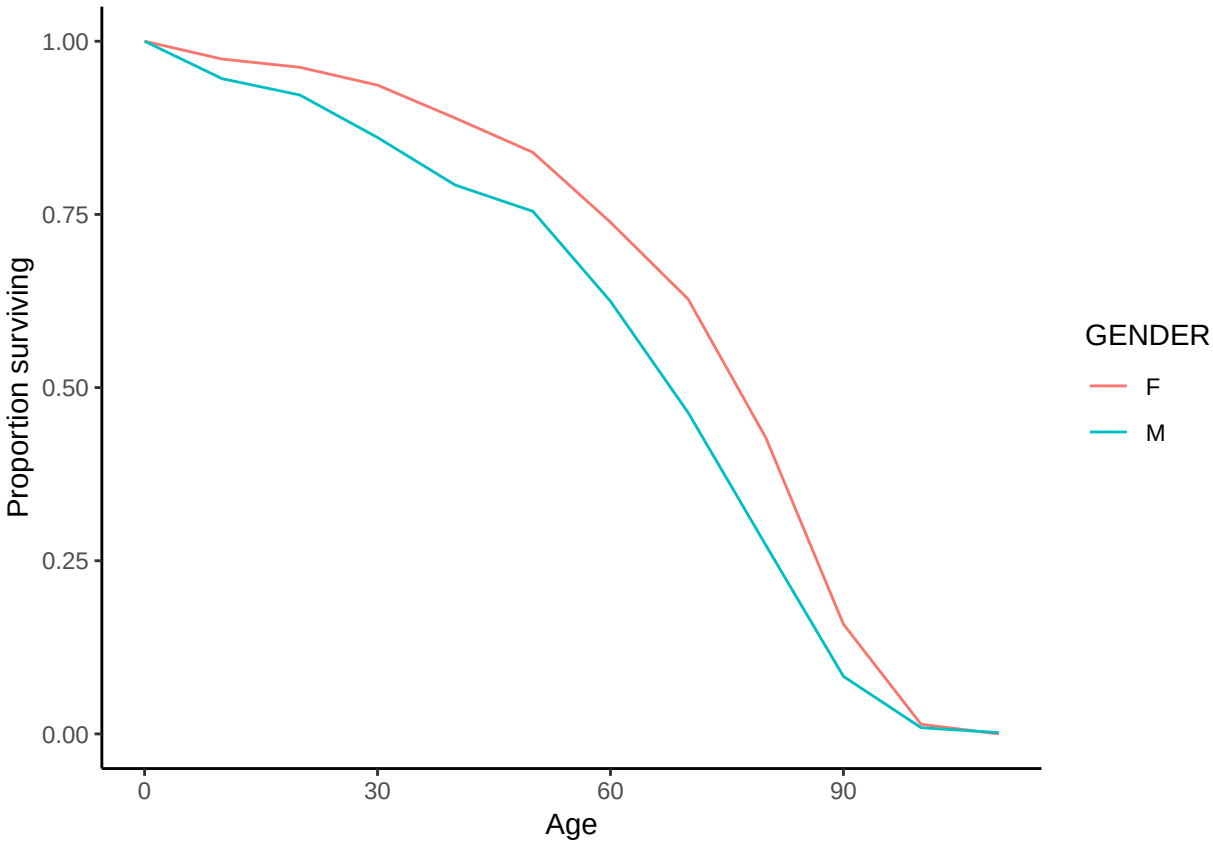


Figure 1: This is a test caption.


1.00
0.75
0.50
0.25
0.00
Proportion surviving
0
30
60
90
Age
GENDER
F
M