APPENDIX:

Rides by Birth Year
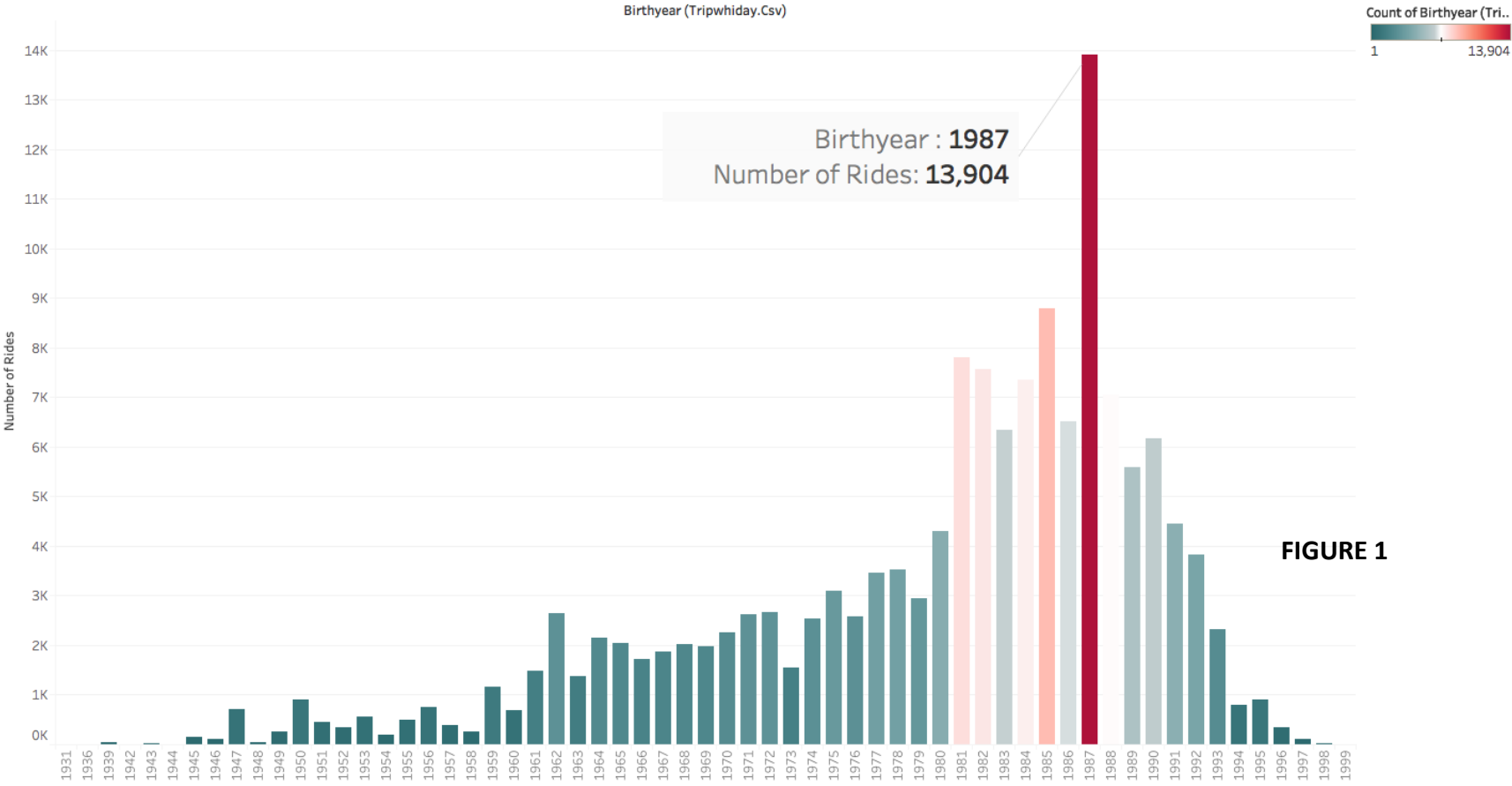

FIGURE 1

Rides by Gender
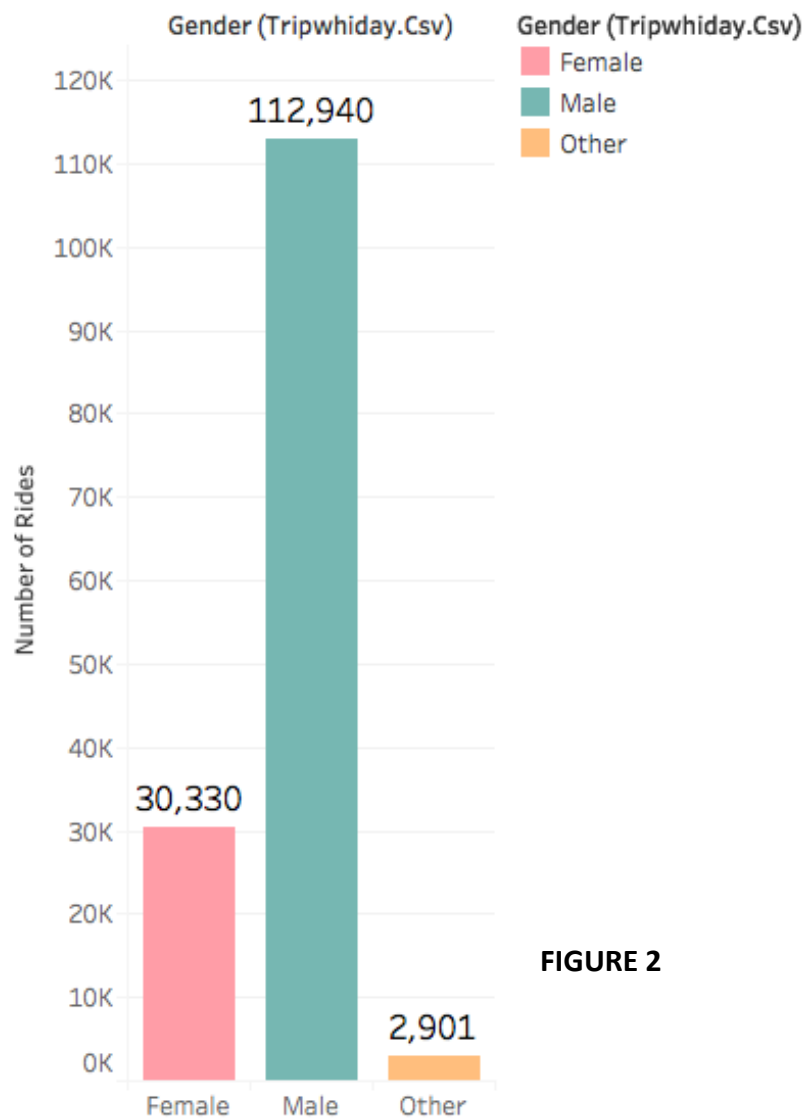
Gender (Tripwhiday.Csv)

Gender (Tripwhiday.Csv)
- Female
- Male
- Other

FIGURE 2

Rides by User Type

Usertype (Tripwhid..

Usertype (Tripwhiday.Csv)
- Member
- Short-Term Pass Holder
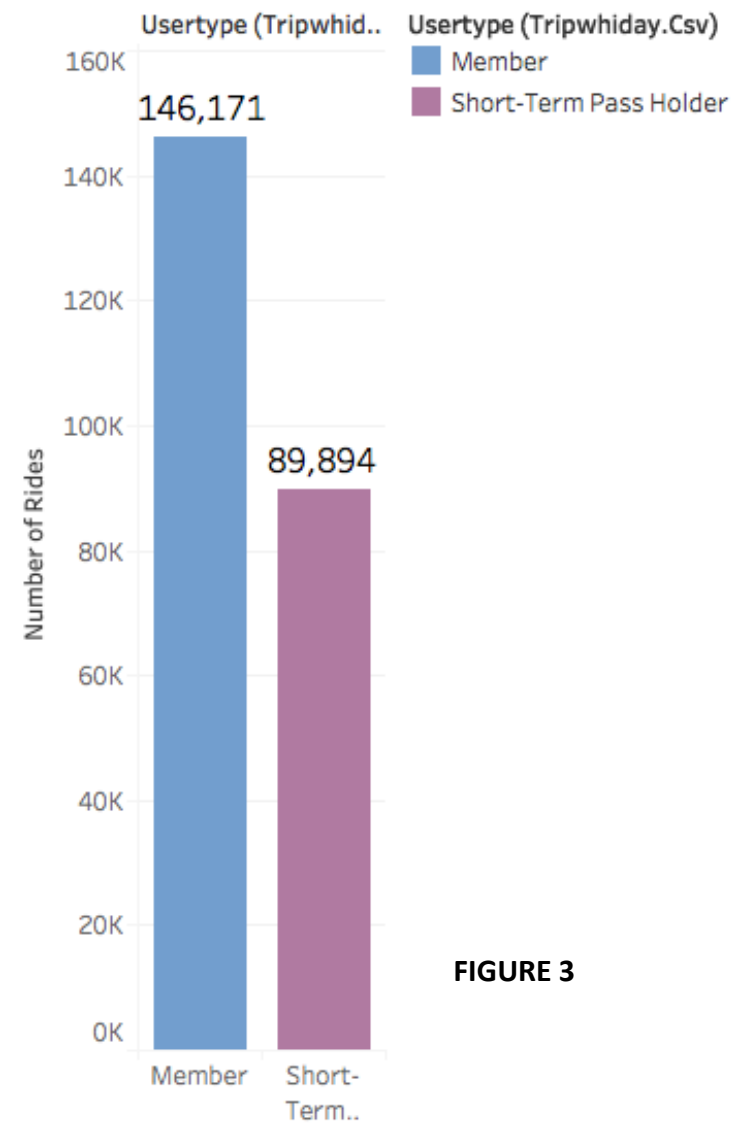
FIGURE 3

Rides Per Minute

Tripduration (Tripwhiday.Csv)

Trip duration: **6 min**
Number of Rides: **16,755**

FIGURE 4

Rides by Days

Day (Tripwhiday.Csv)

Count of Day (Tripwhid..

27,401   36,122

34,704   35,023   35,263   36,122   35,828

31,724

27,401
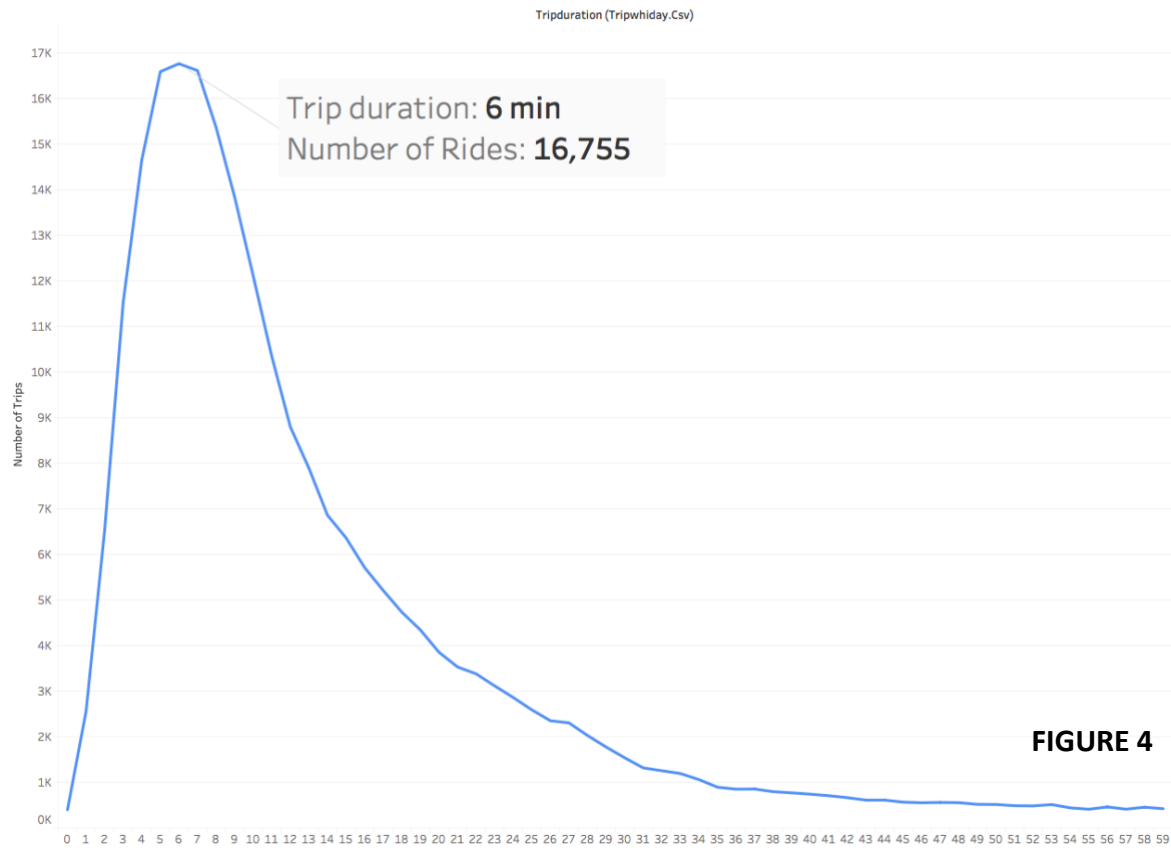
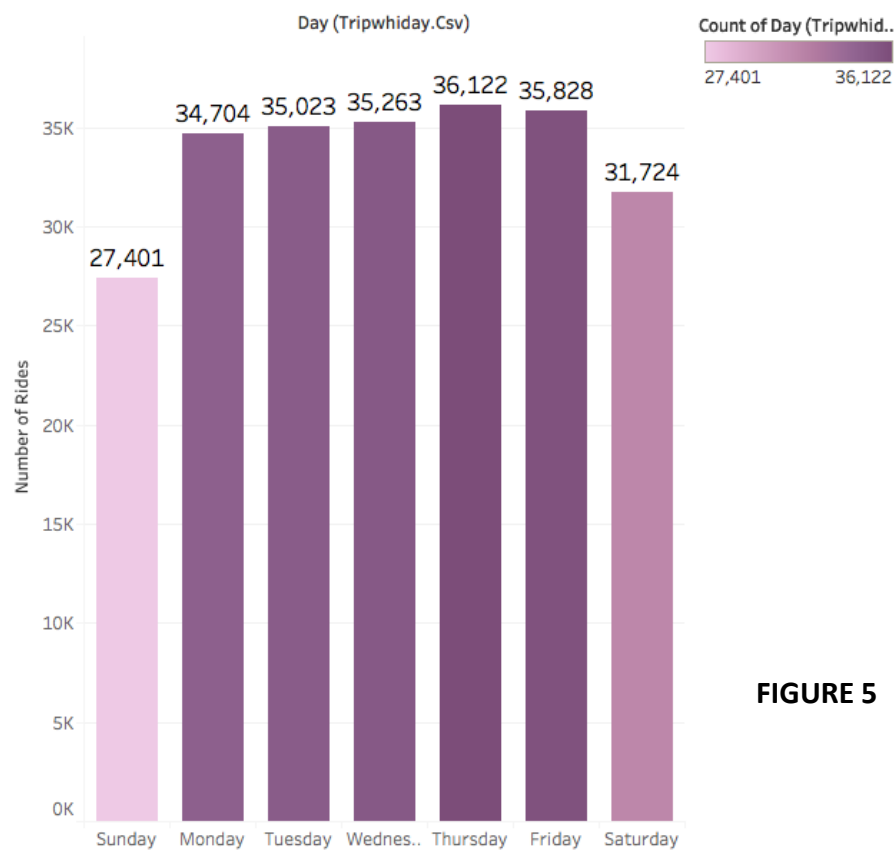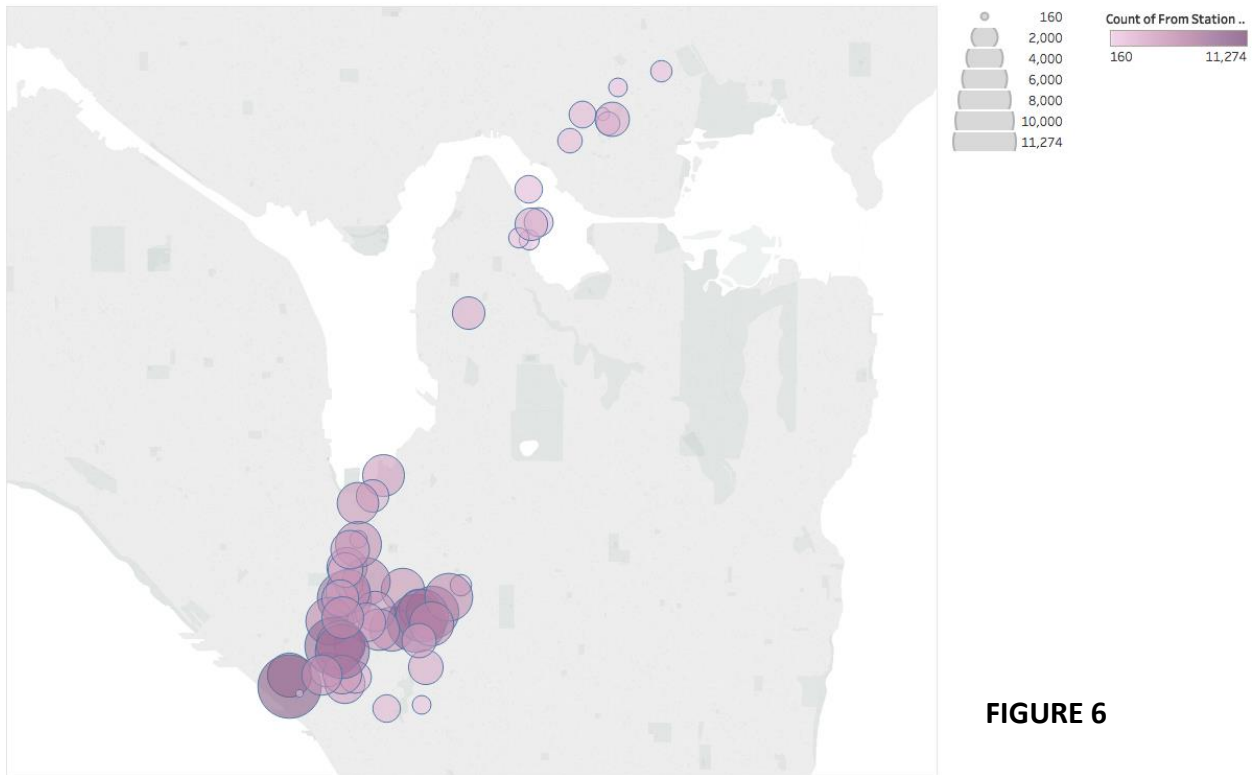FIGURE 5

To Station

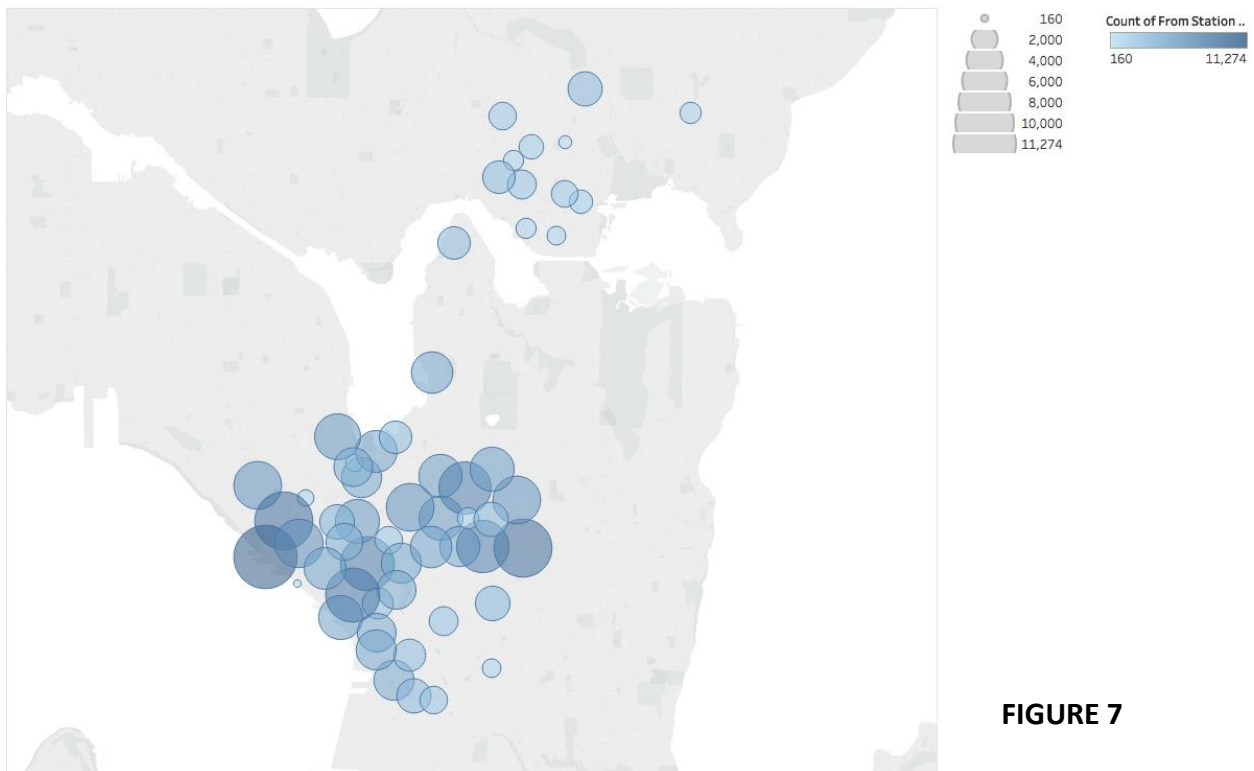**FIGURE 6**

From Station

FIGURE 7

```
Call:
lm(formula = rides ~ MeanDew_Point_F + Mean_Humidity + Mean_Wind_Speed_MPH +
    Precipitation_In, data = weather)

Residuals:
    Min      1Q  Median      3Q     Max
-232.91  -57.33   -0.58   49.72  464.77

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           447.9470    26.5513  16.871  < 2e-16 ***
MeanDew_Point_F         9.1795     0.4077  22.516  < 2e-16 ***
Mean_Humidity          -6.7911     0.2784 -24.395  < 2e-16 ***
Mean_Wind_Speed_MPH    -8.8483     1.2196  -7.255 1.09e-12 ***
Precipitation_In     -117.9190    15.2839  -7.715 4.28e-14 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 83.46 on 684 degrees of freedom
Multiple R-squared:  0.7112,    Adjusted R-squared:  0.7095
F-statistic: 421.1 on 4 and 684 DF,  p-value: < 2.2e-16
```

FIGURE 8

```
Call:
lm(formula = rides ~ Mean_Wind_Speed_MPH + Precipitation_In,
    data = weather)

Residuals:
    Min      1Q  Median      3Q     Max
-314.55  -97.30   -8.43   86.67  549.49

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          407.862     10.191  40.021  < 2e-16 ***
Mean_Wind_Speed_MPH   -8.176      1.974  -4.142 3.88e-05 ***
Precipitation_In    -260.577     23.291 -11.188  < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 137.6 on 686 degrees of freedom
Multiple R-squared:  0.2131,    Adjusted R-squared:  0.2108
F-statistic: 92.87 on 2 and 686 DF,  p-value: < 2.2e-16
```

FIGURE 9