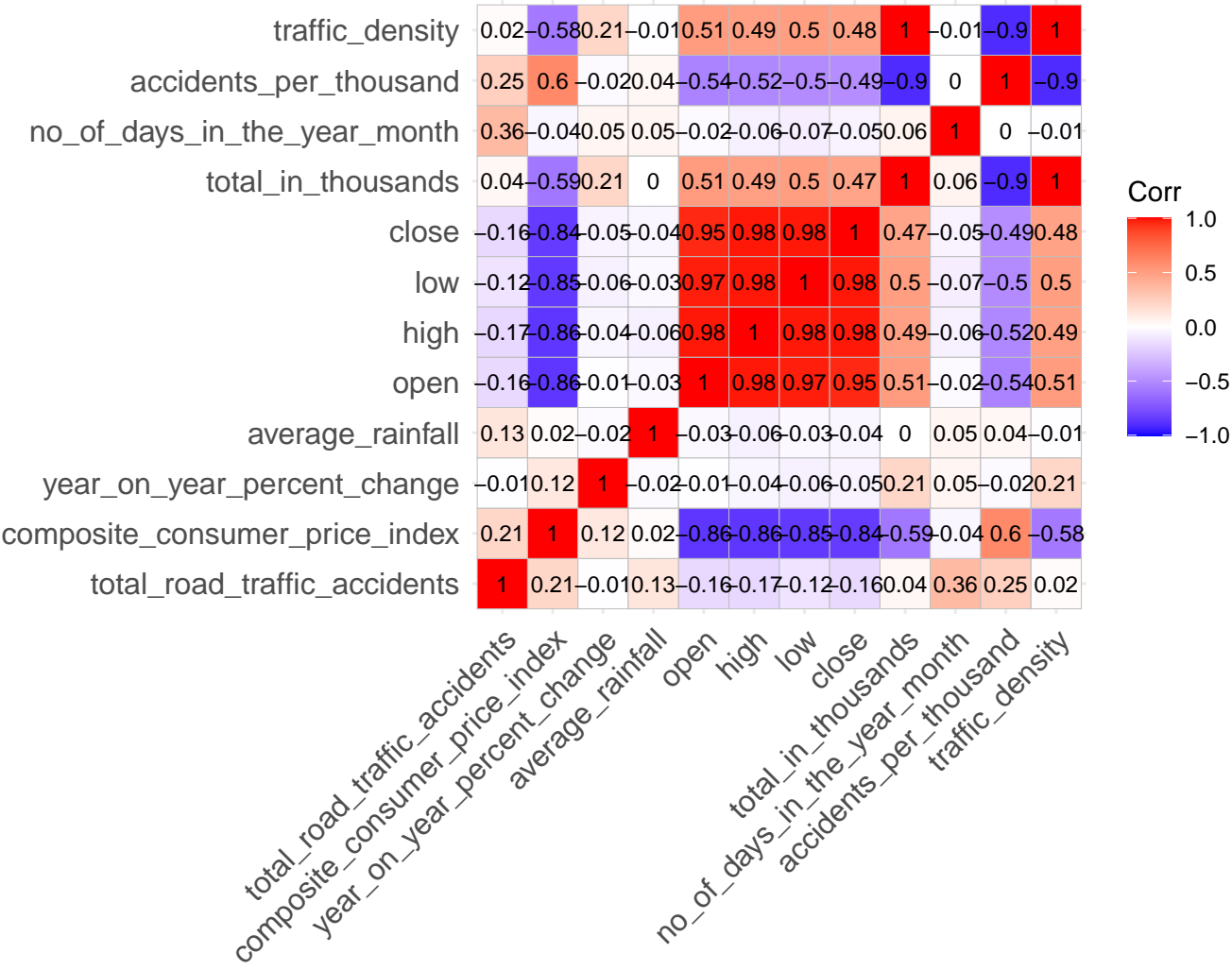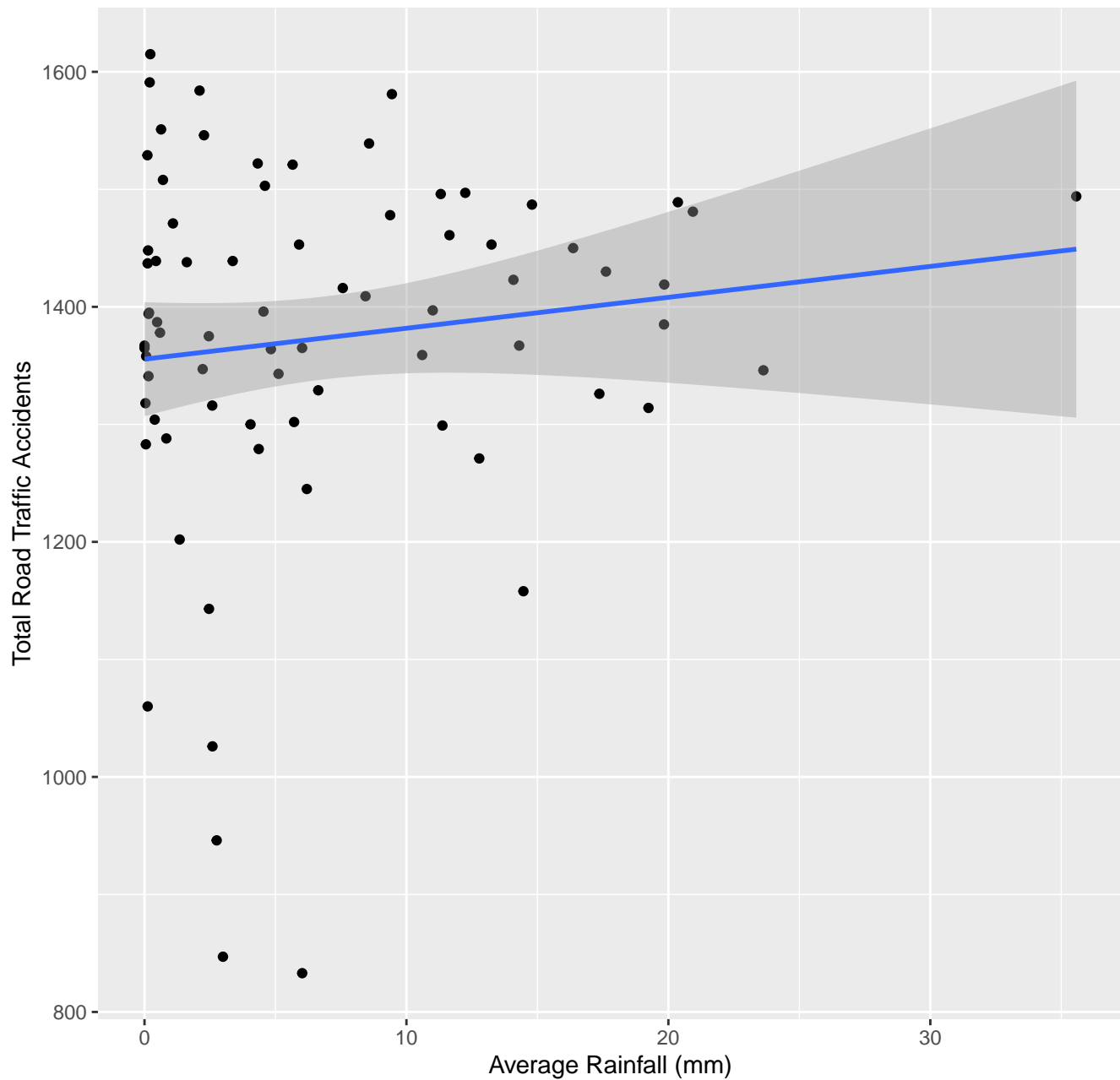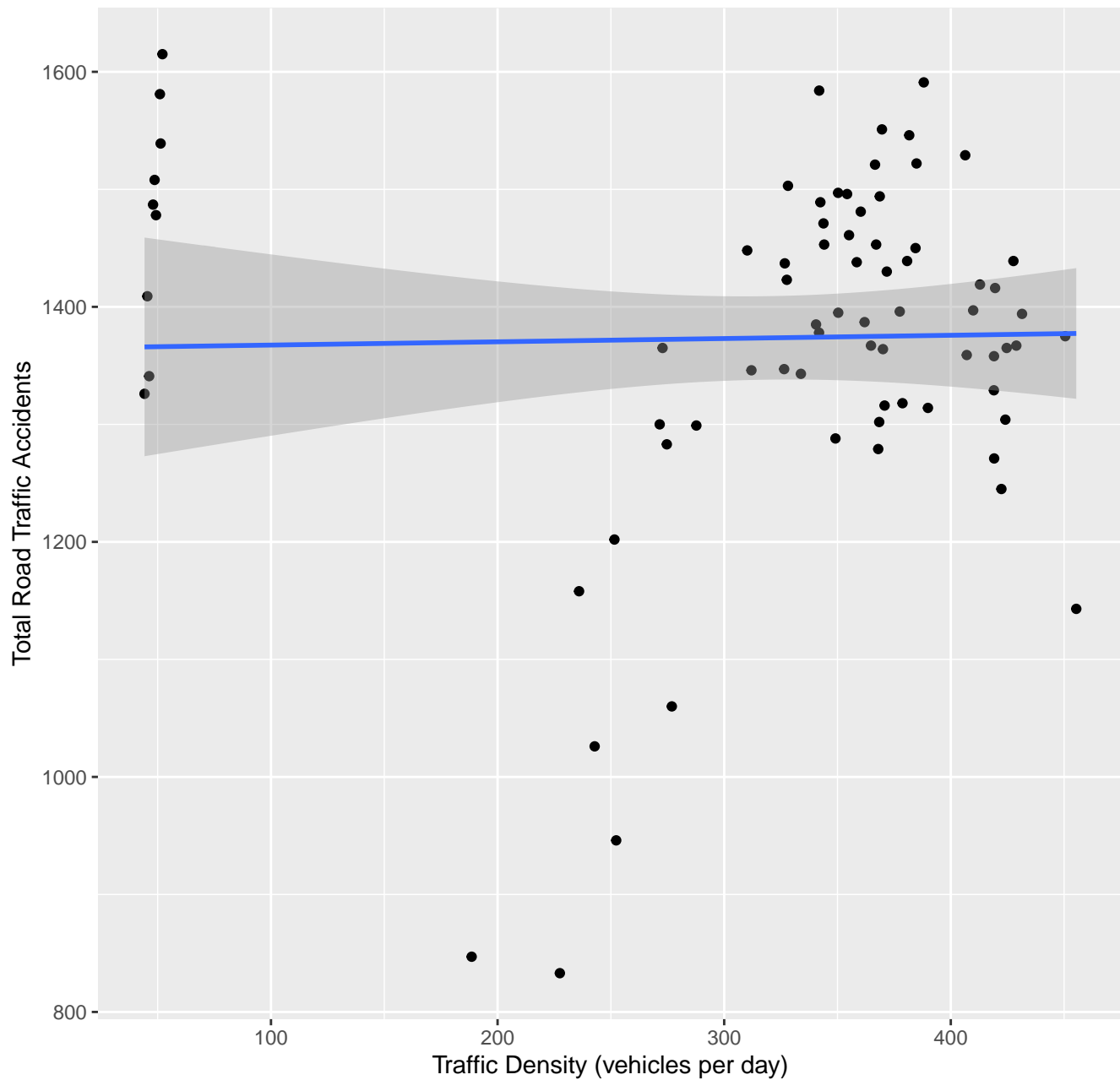Correlation Matrix Heatmap
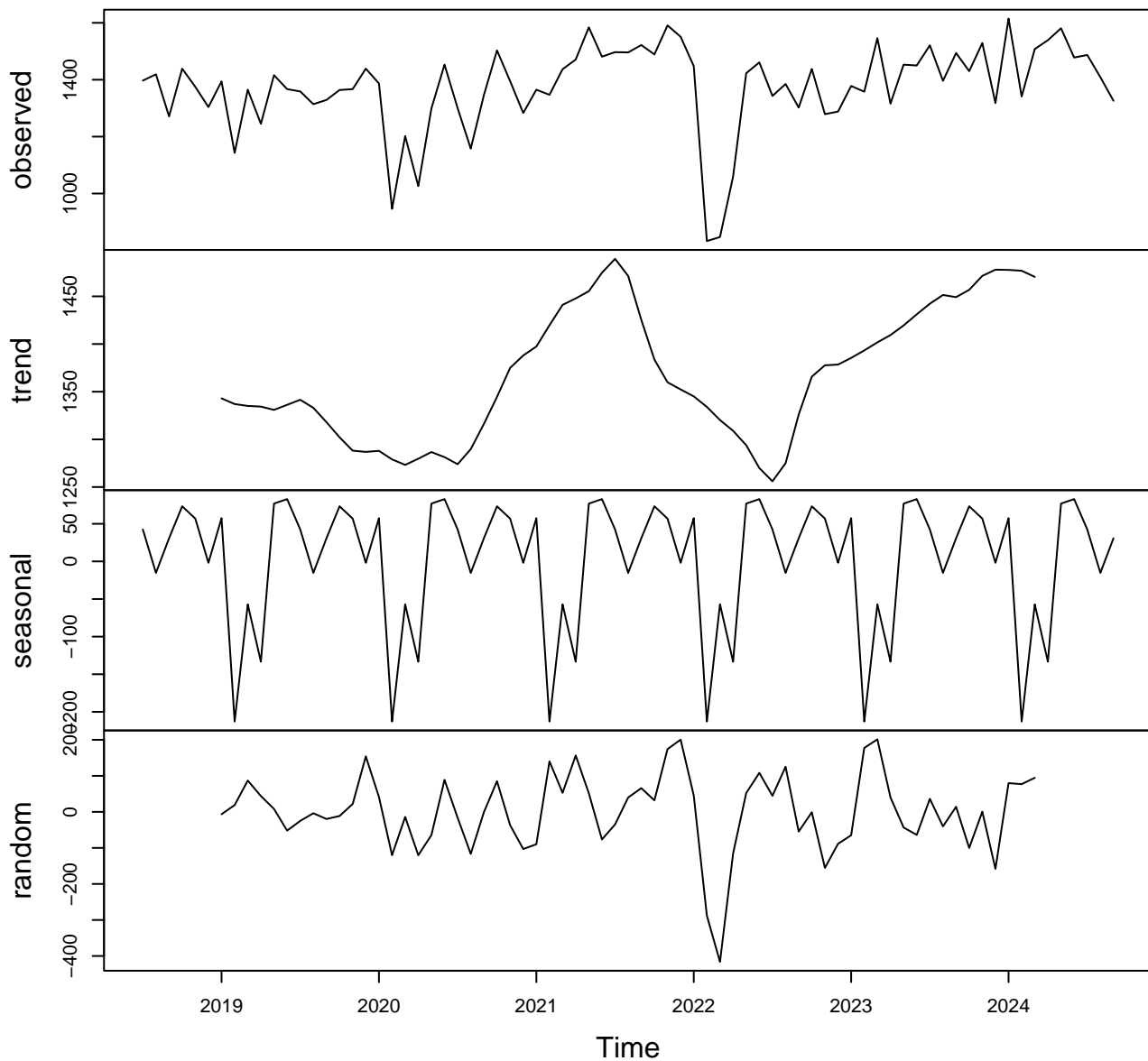
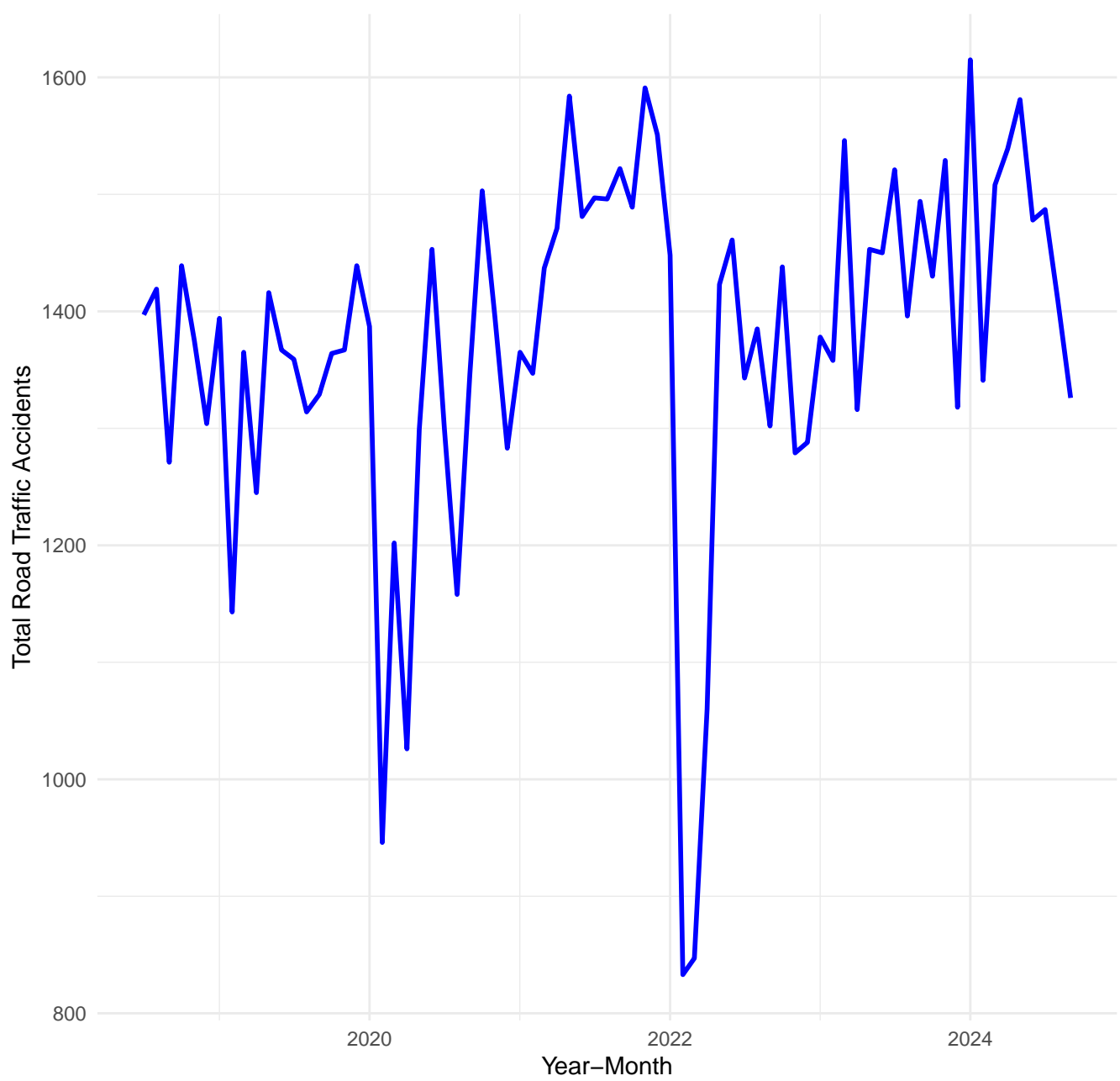Accidents vs. Average Rainfall

Accidents vs. Traffic Density

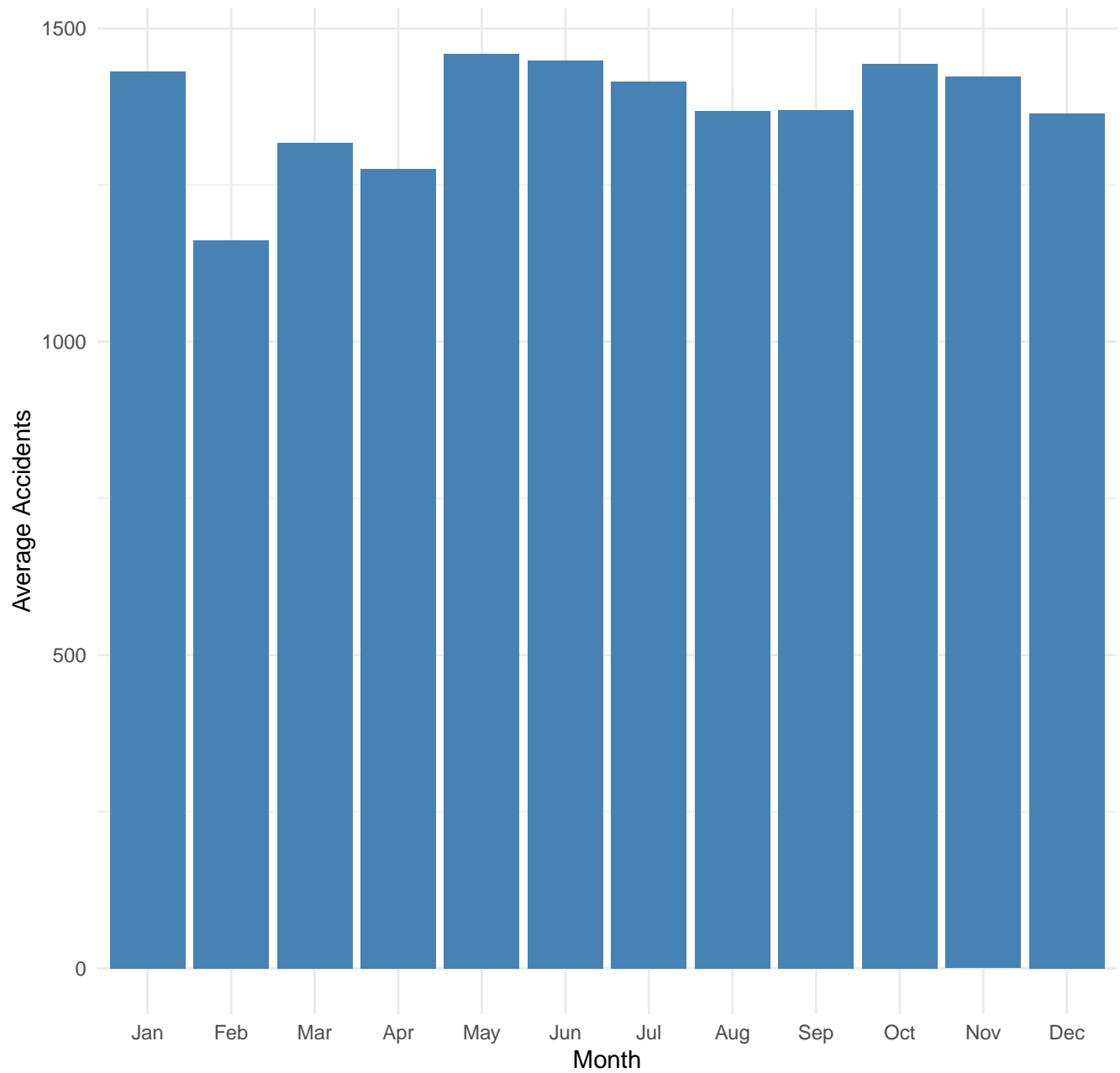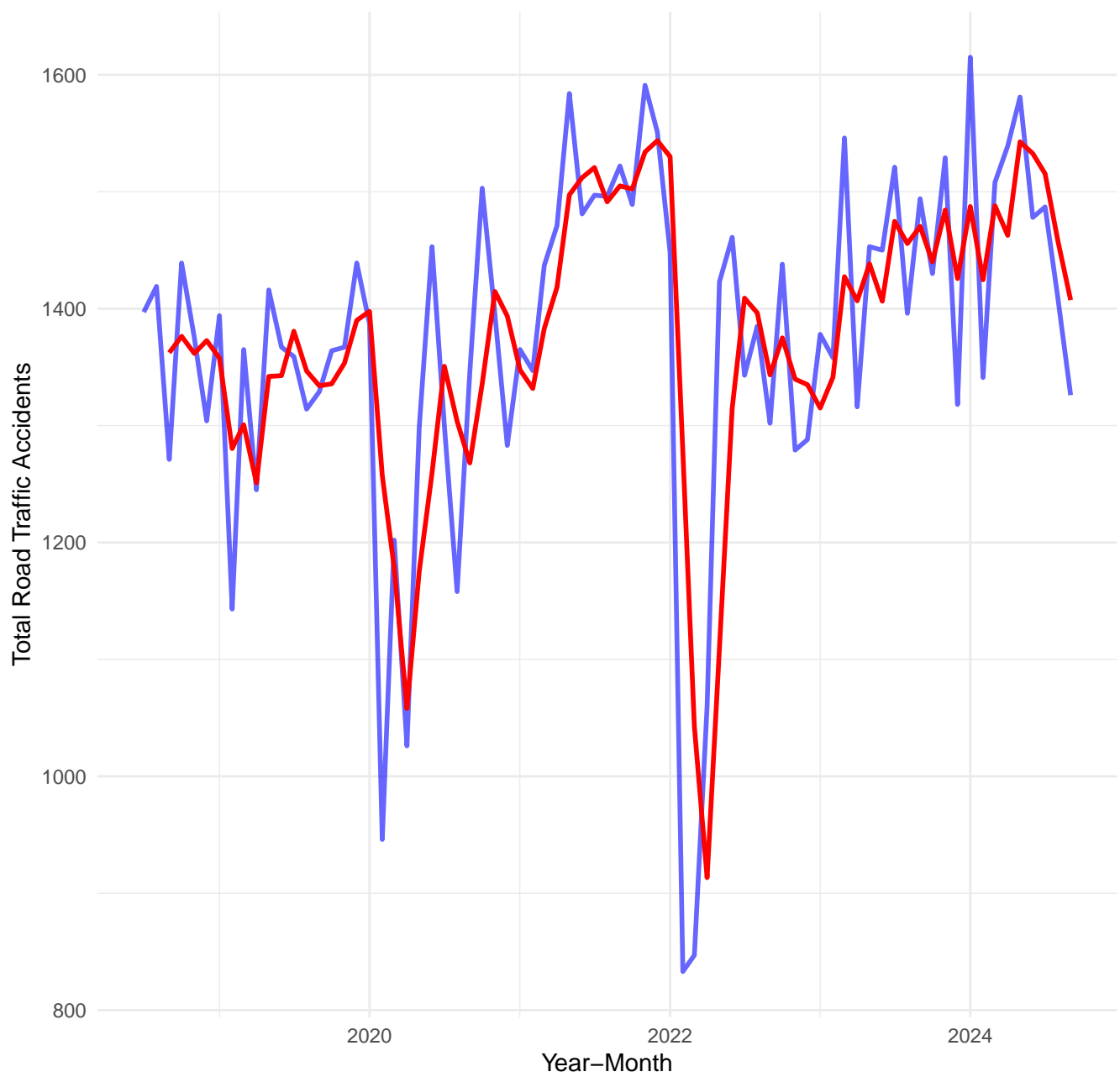**Decomposition of additive time series**

Traffic Accidents Over Time

Average Traffic Accidents by Month

Traffic Accidents with 3-Month Rolling Average
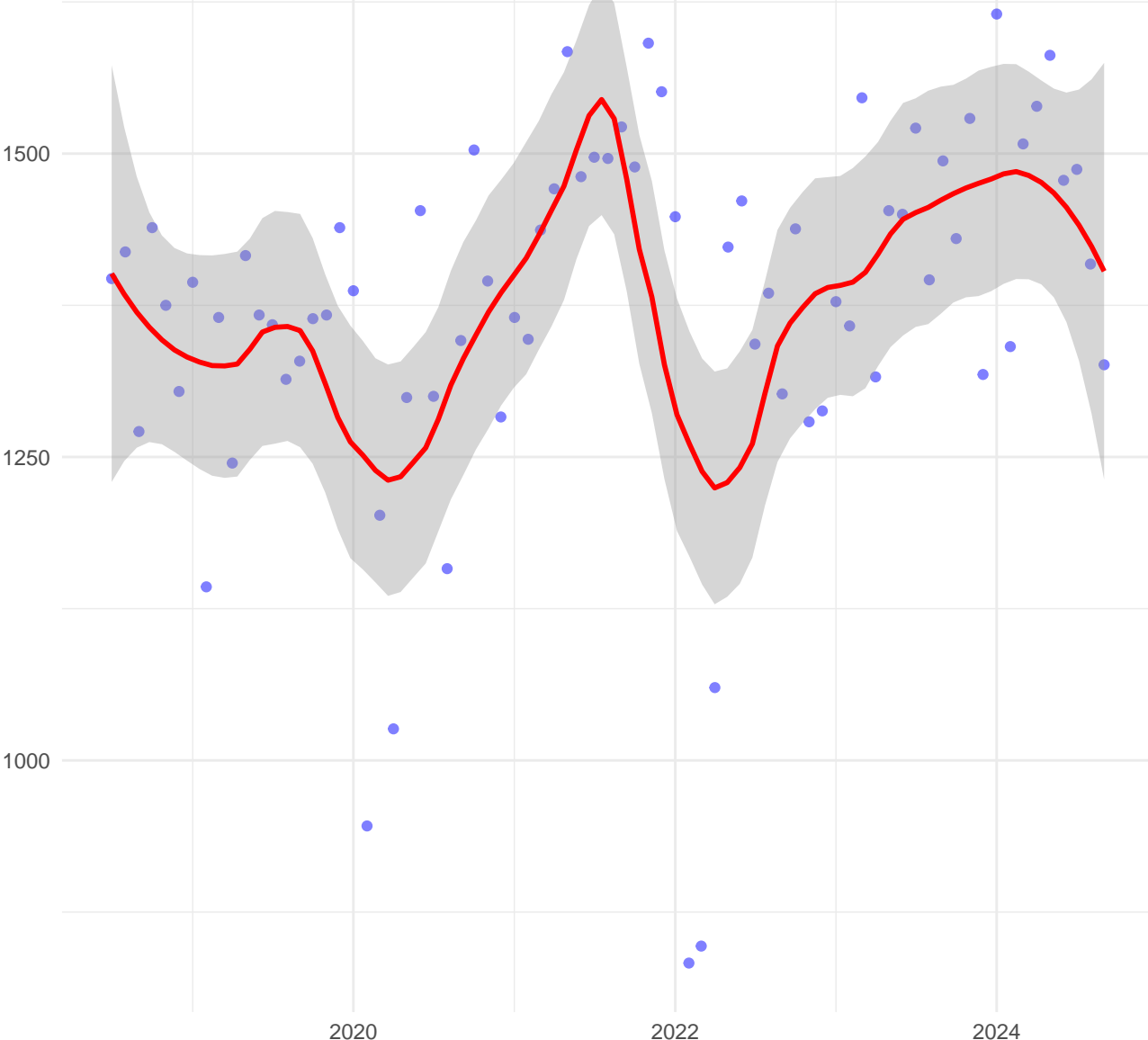
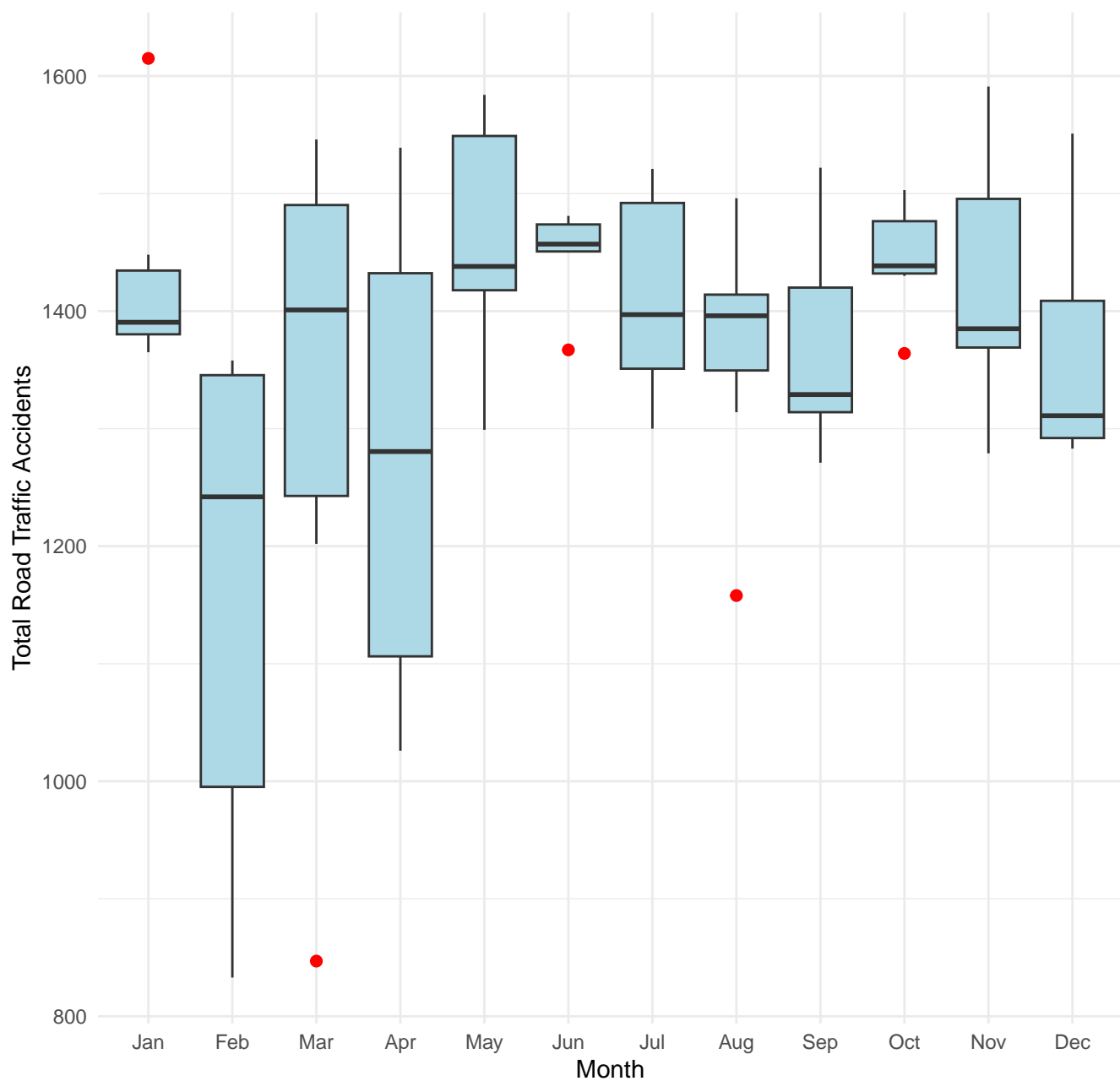Loess Smoothing of Traffic Accidents Over Time
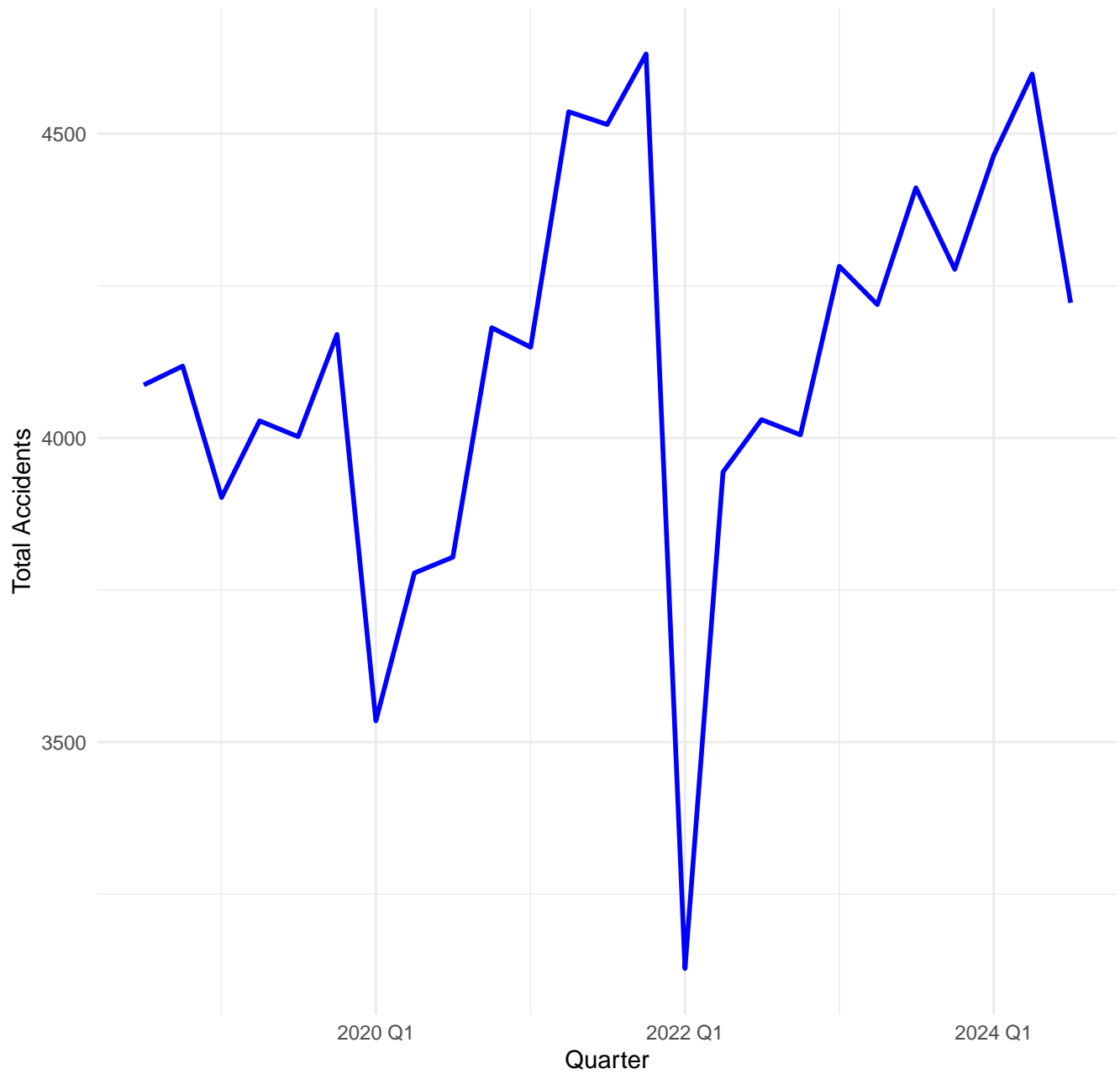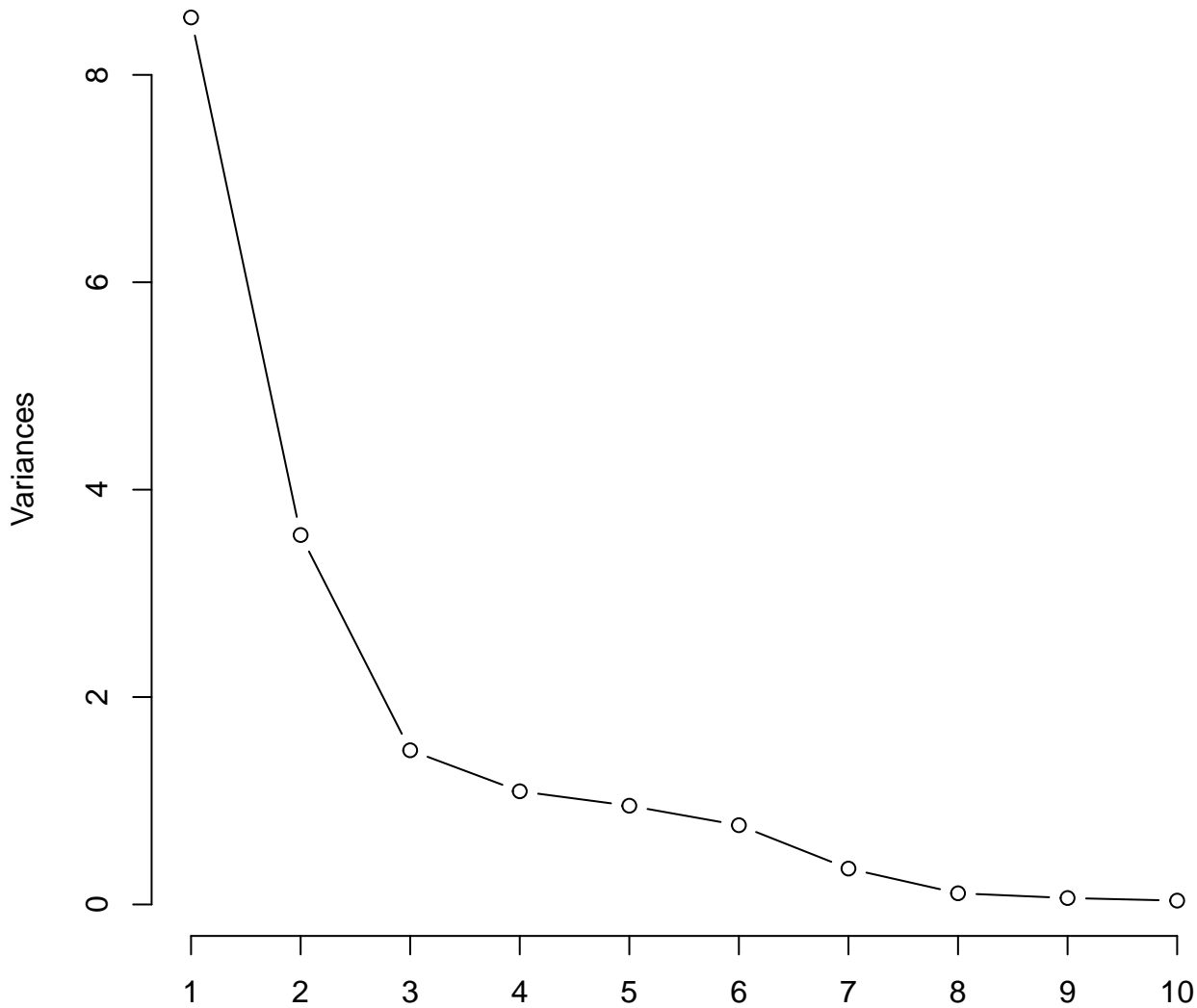
Distribution of Traffic Accidents by Month
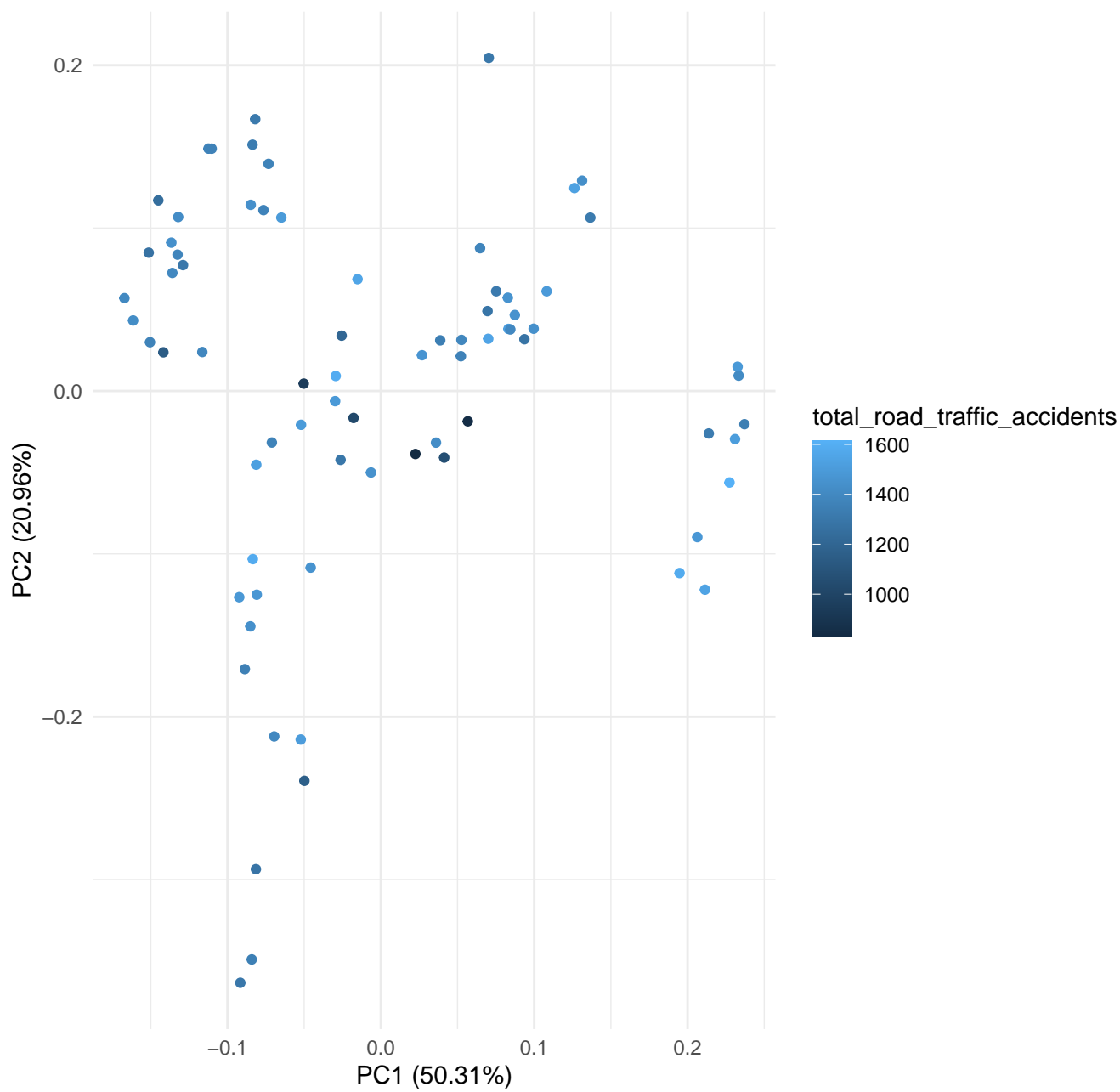
Quarterly Traffic Accidents
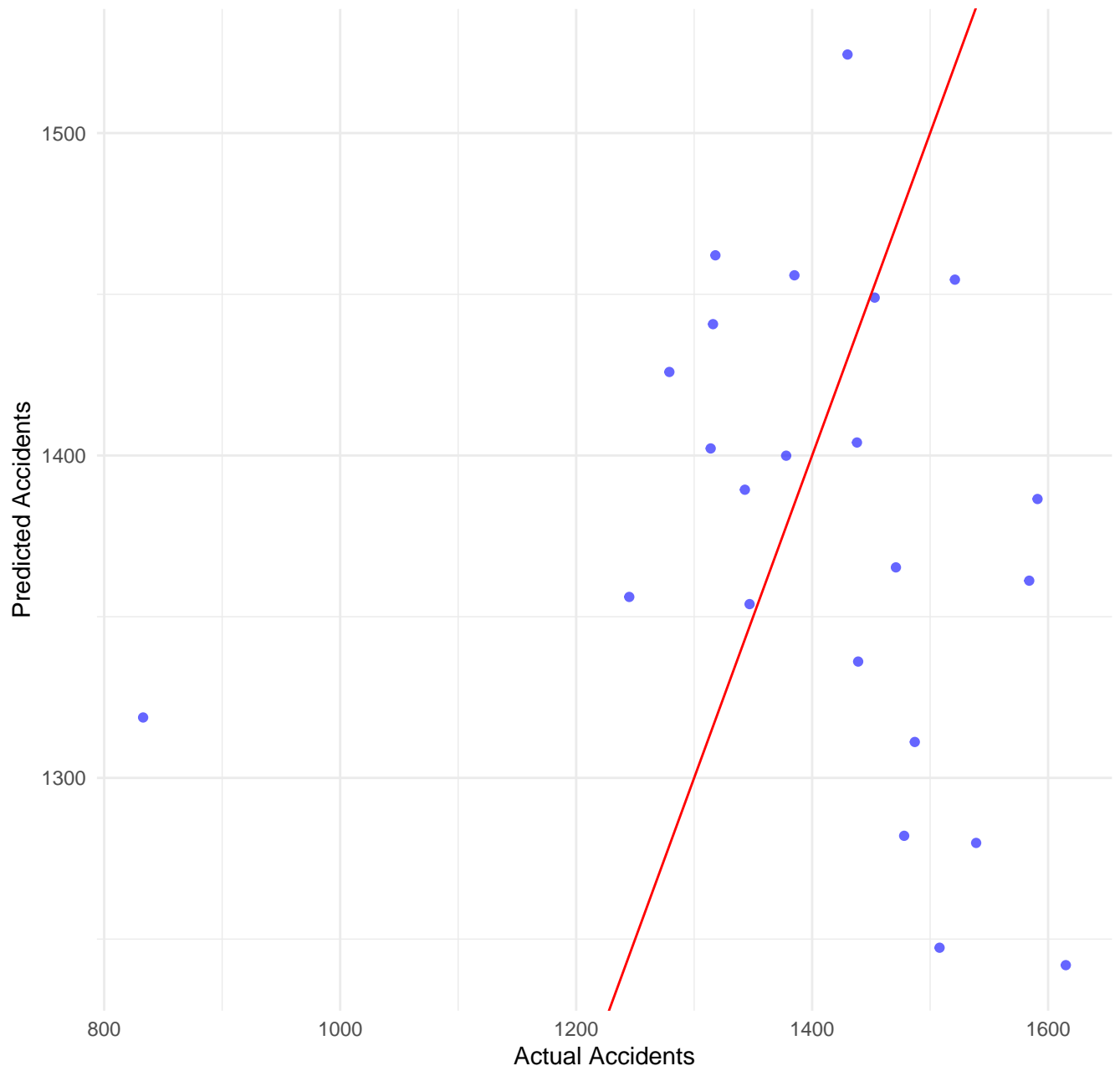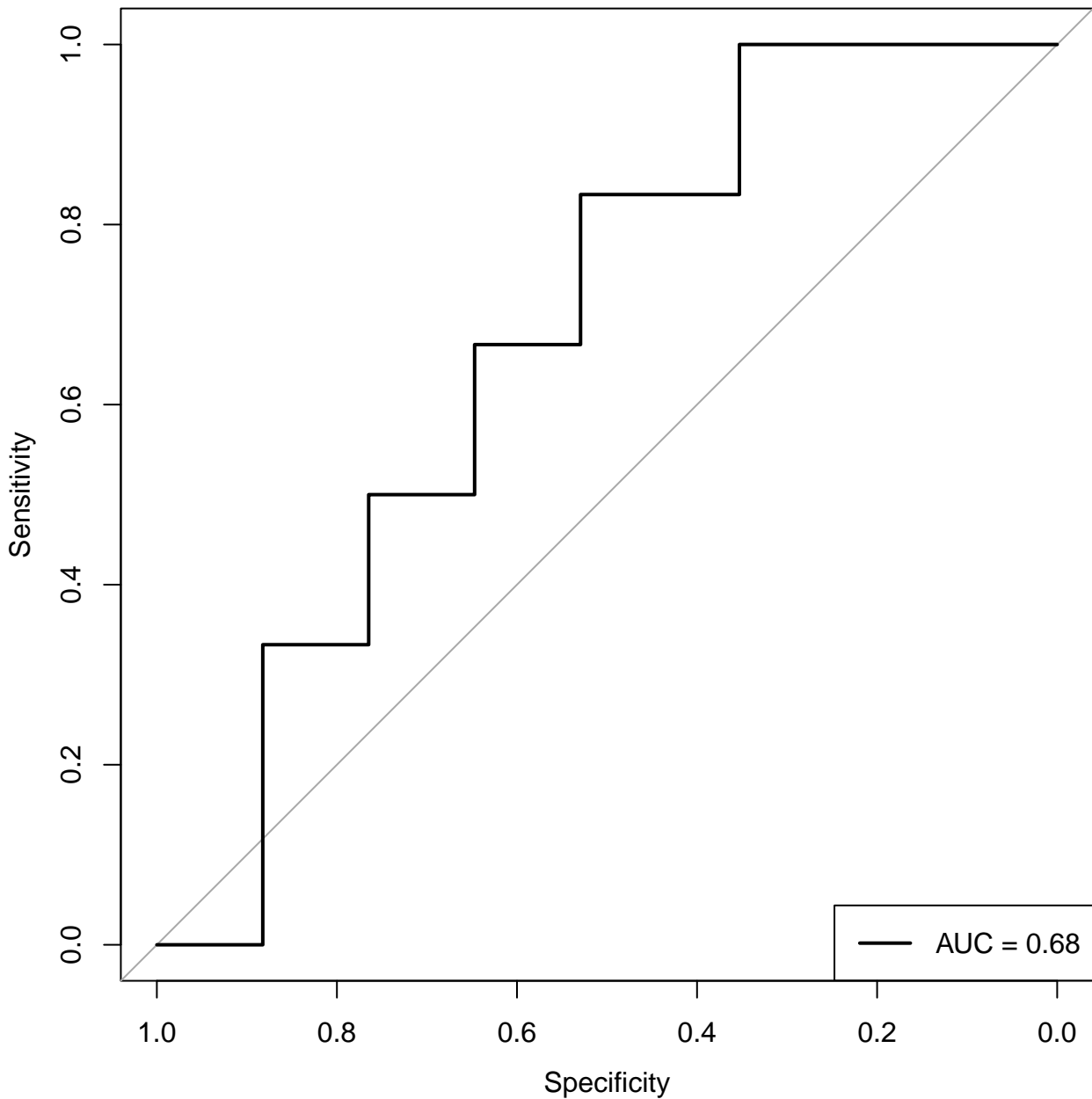
Scree Plot
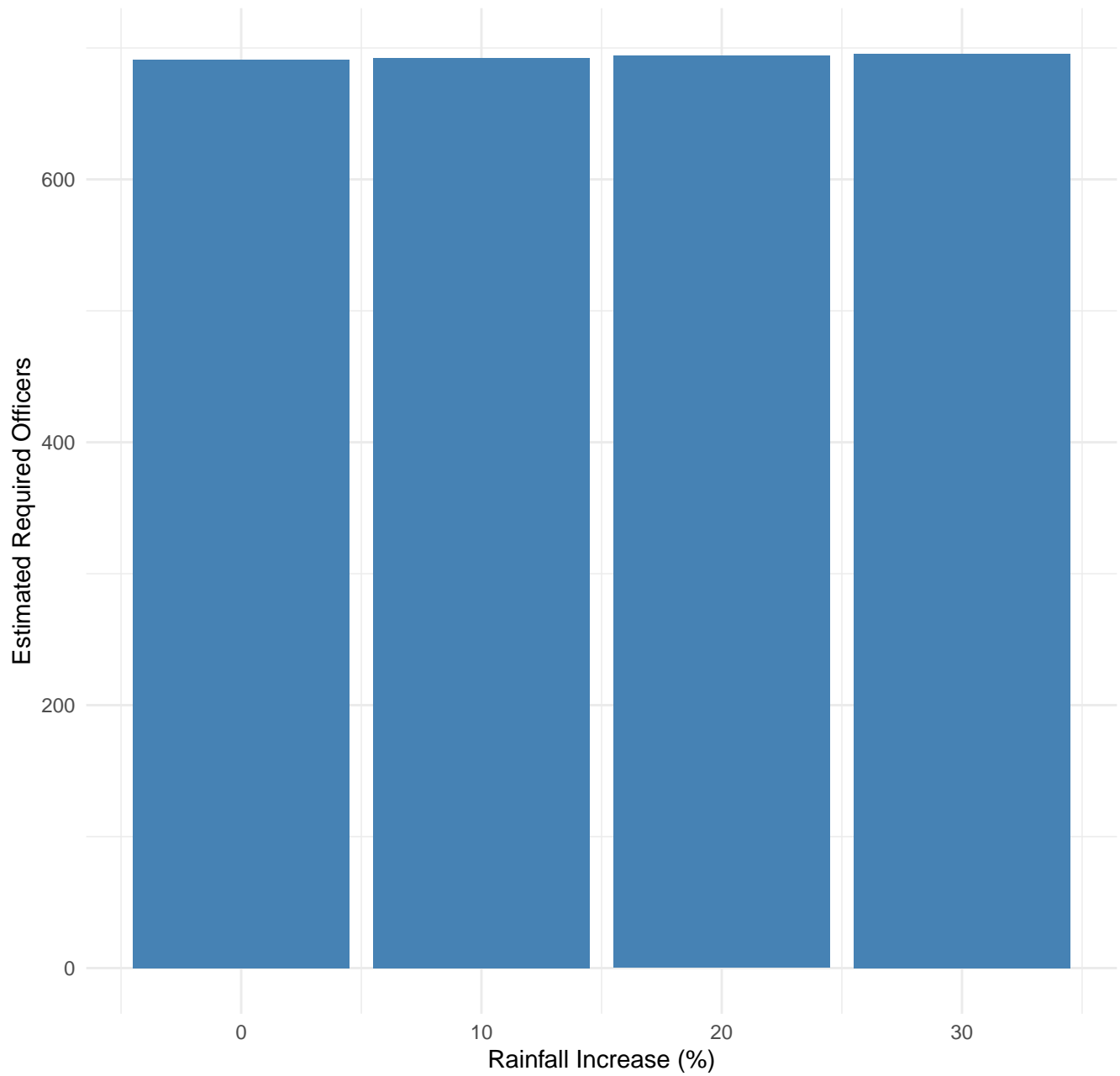
Variances
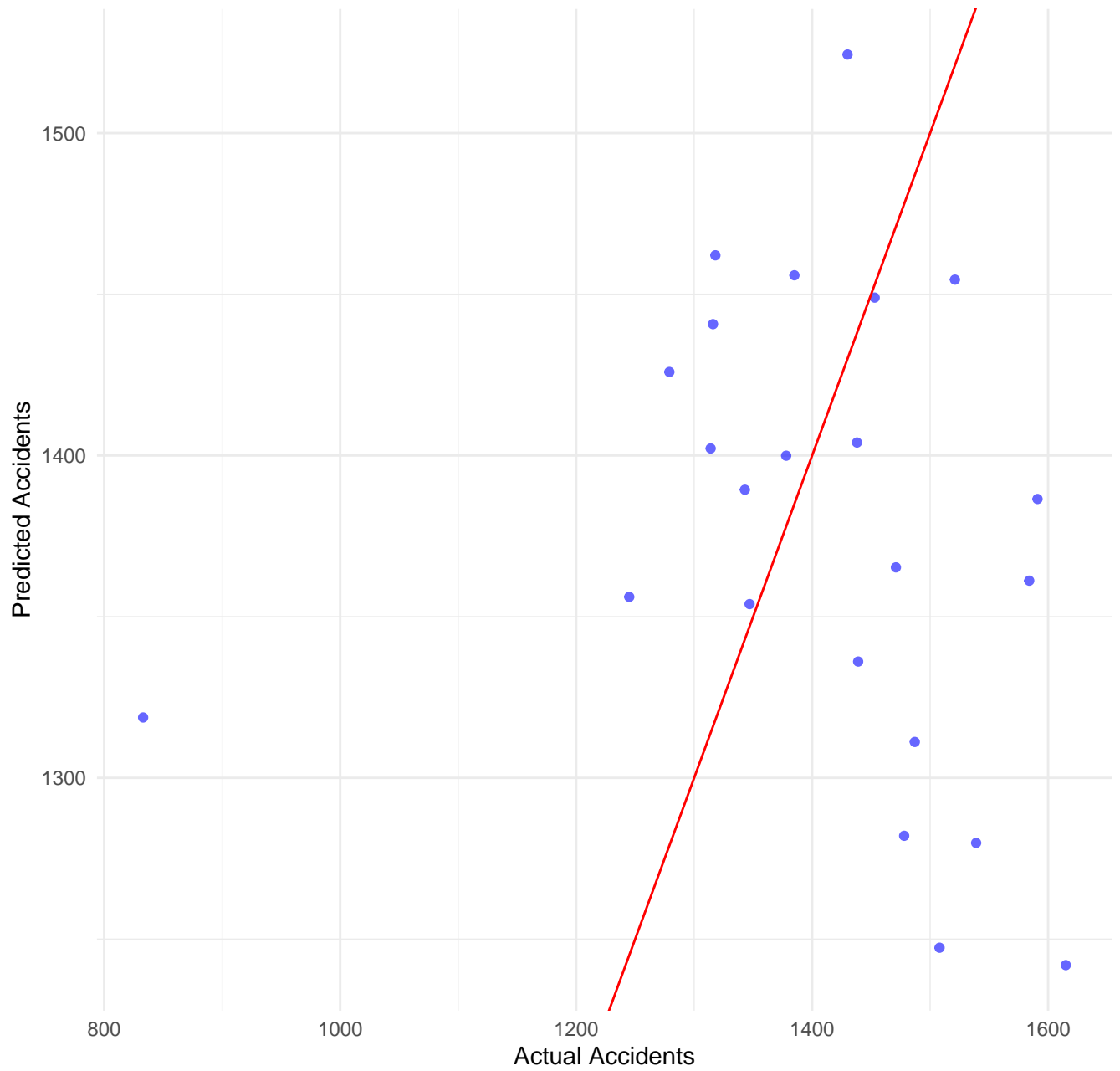
Scree Plot
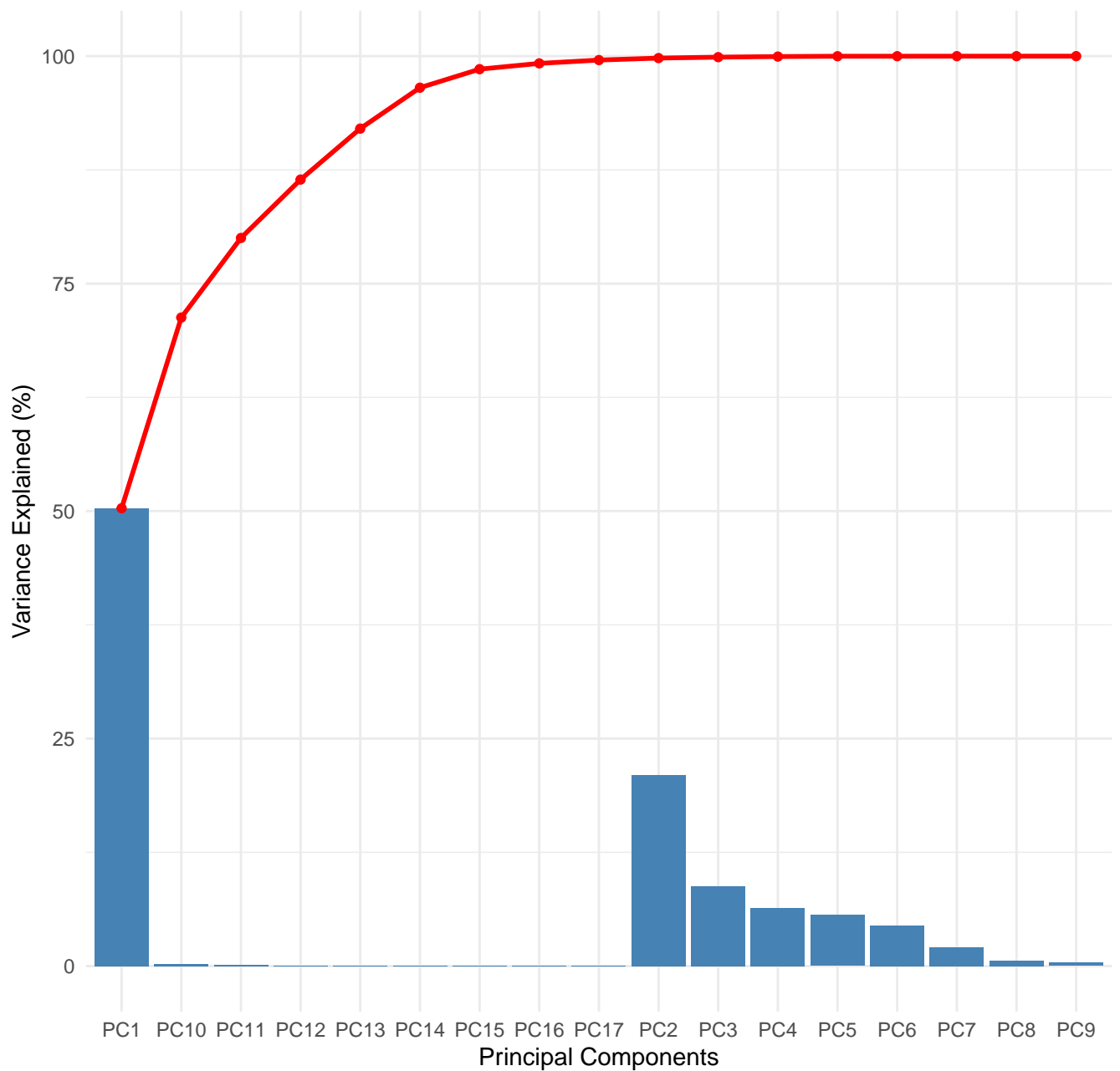
PCA Biplot

Actual vs. Predicted Traffic Accidents

ROC Curve for Logistic Regression

AUC = 0.68

Estimated Police Officers Required vs. Rainfall Increase

Actual vs. Predicted Traffic Accidents

ROC Curve for Logistic Regression Model

AUC = 0.68