Shape, square

Description automatically generated

**Figure 1.1:** Bar graph of Linear SVM predictions for Corner Data

In Figure 1.1, a bar graph of the linear SVM model for the Corner data was created. The bar graph shows that 3,647 of the observations were correctly predicted as 1B and 4,083 observations were correctly predicted as 3B.

A picture containing chart

Description automatically generated

**Figure 1.2:** Graph of CornerG.ts Time Series

In Figure 1.2, a graph of the CornerG.ts time series was created. The y-axis referred to the number of games for the CornerG.ts time series. The number of games range from 0 to 140. The x-axis refers to the Time variable (in years). The years range from 1871-2019.

Chart

Description automatically generated

**Figure 1.3:** Graphic display of ARIMA model for CornerG.ts Time Series

In Figure 1.3, a graphic display of the ARIMA model for the CornerG.ts time series was created. The graph shows the data from 1871-2019 and the next 20 years of observations for the residuals of the CornerG.ts time series.

Chart

Description automatically generated

**Figure 1.4:** Graphical display of predictions for CornerG.ts Time Series

In Figure 1.4, a graphical display of the next 100 predictions for the CornerG.ts time series was created.