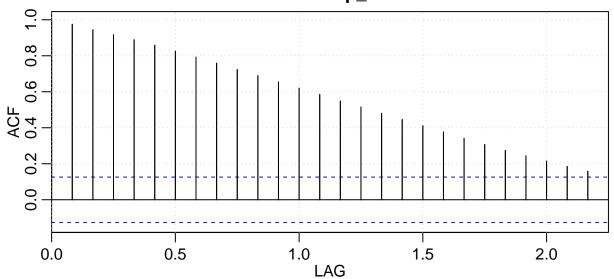
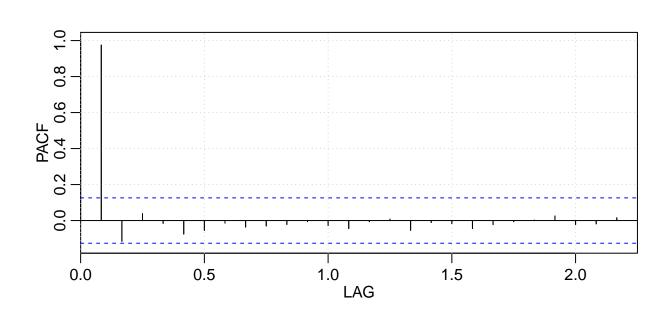
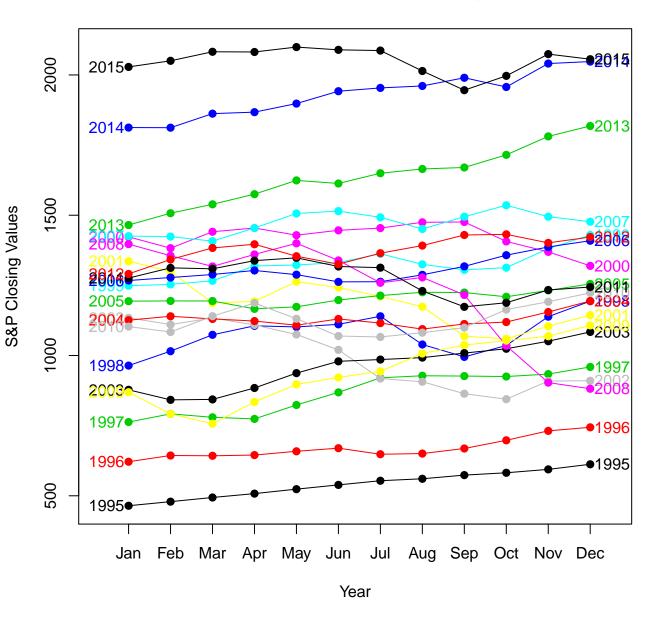


Series: sp\_500

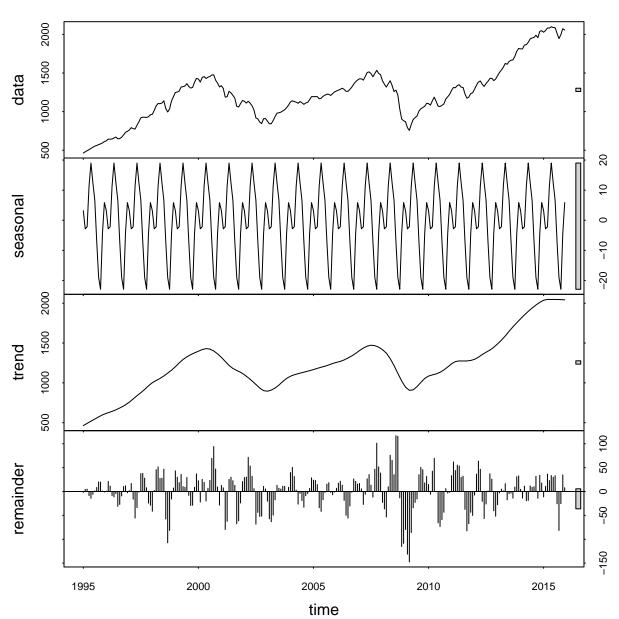




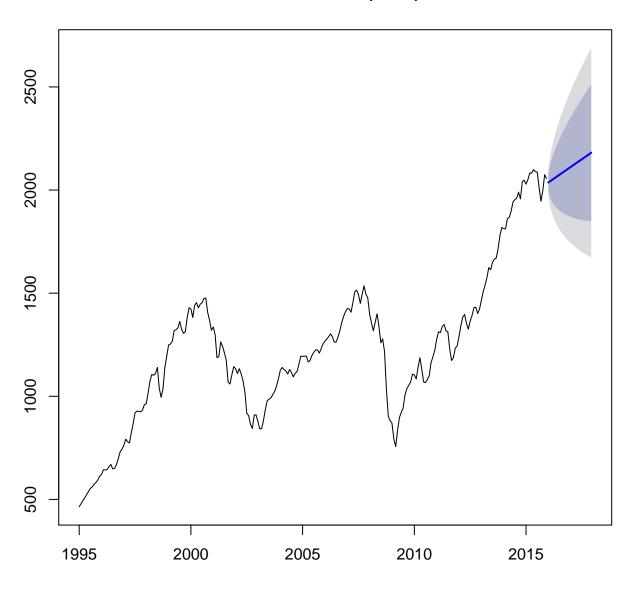
#### **Seasonal plot: S&P Monthly Closing Values**



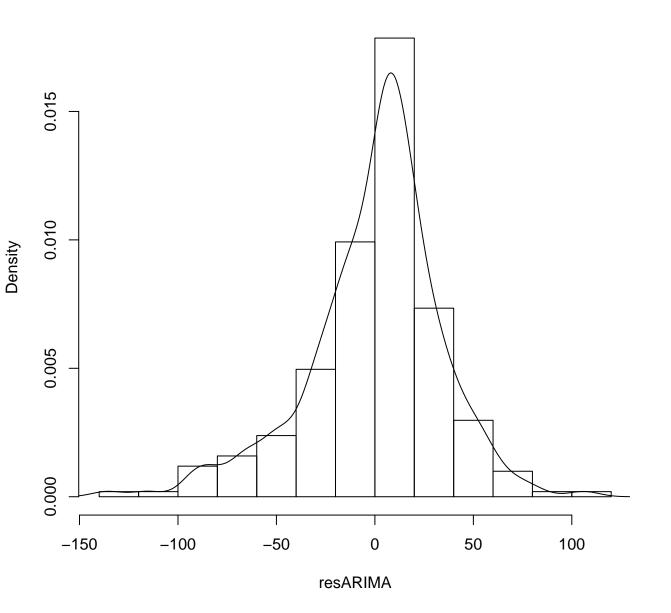
#### **Decomposition for S&P 500**



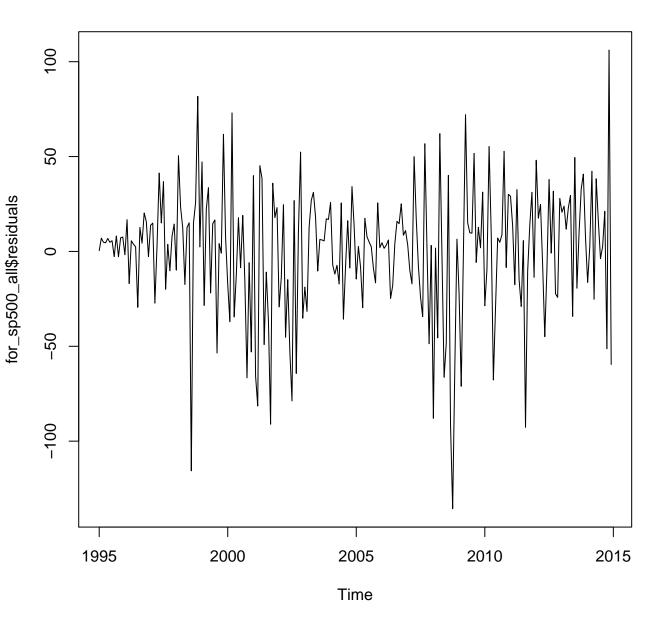
## Forecasts from ARIMA(0,1,1) with drift



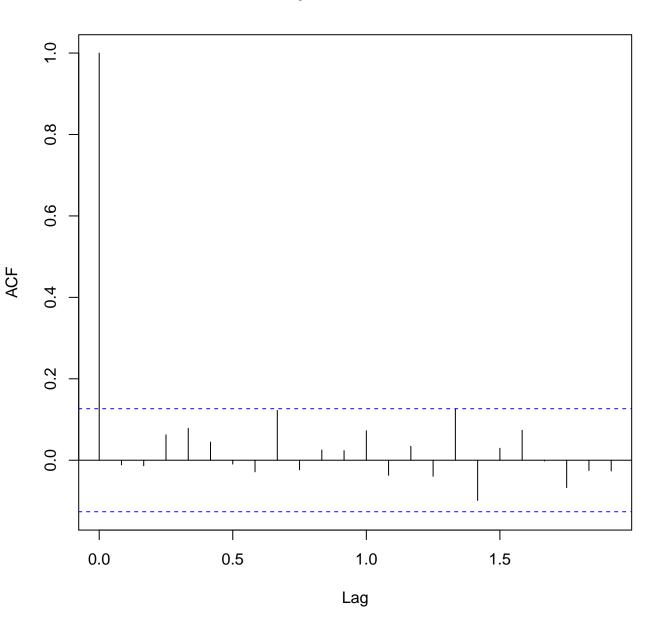
# Histogram of resARIMA



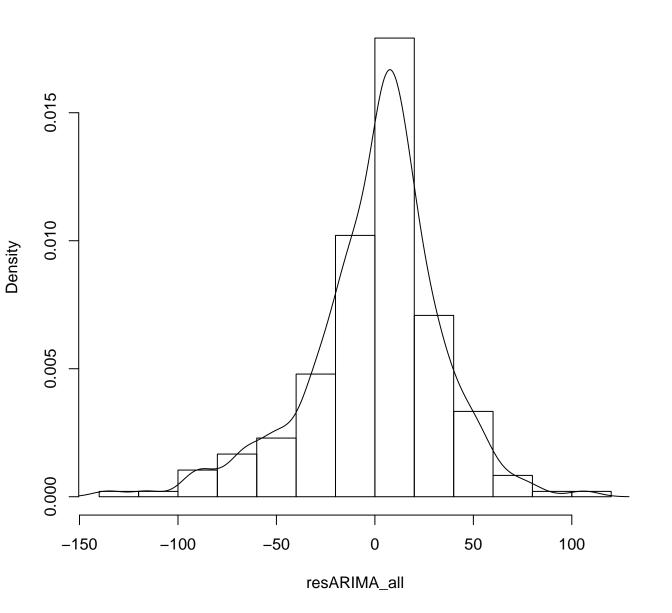
### **Residual Plots for Forecast**

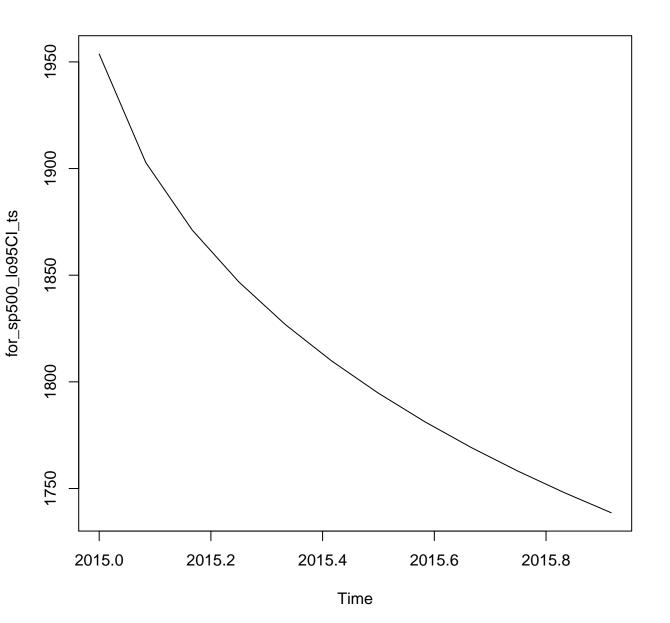


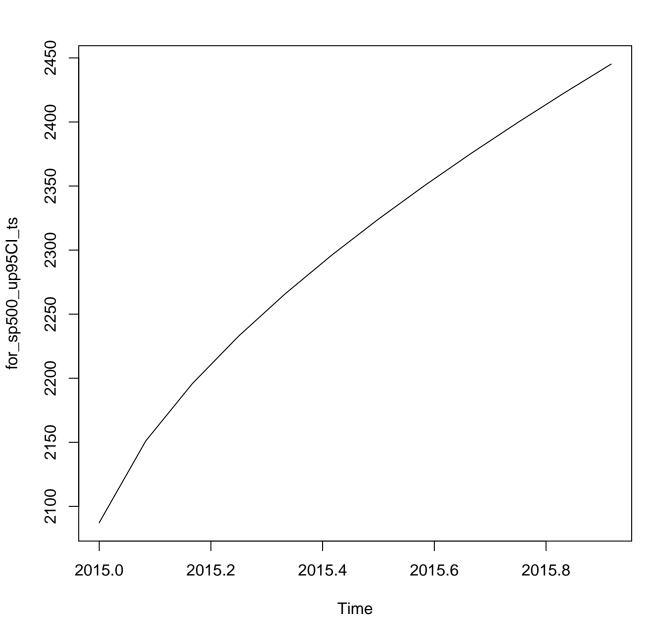
# **ACF plot for Residuals**

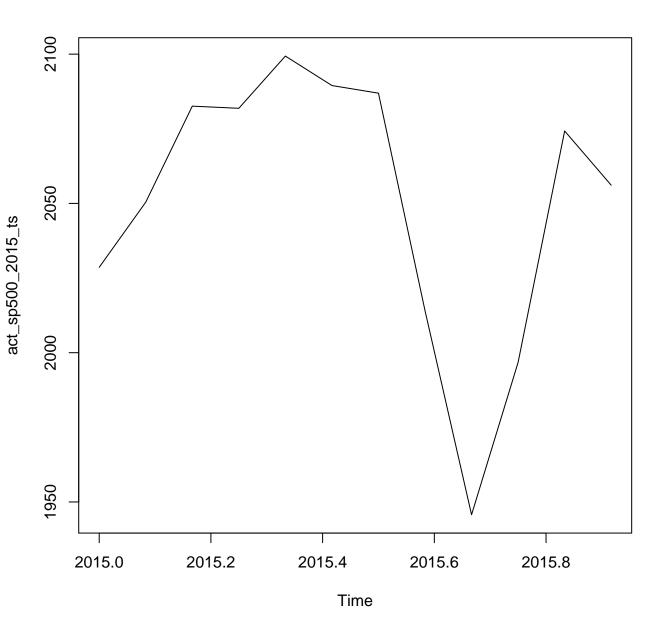


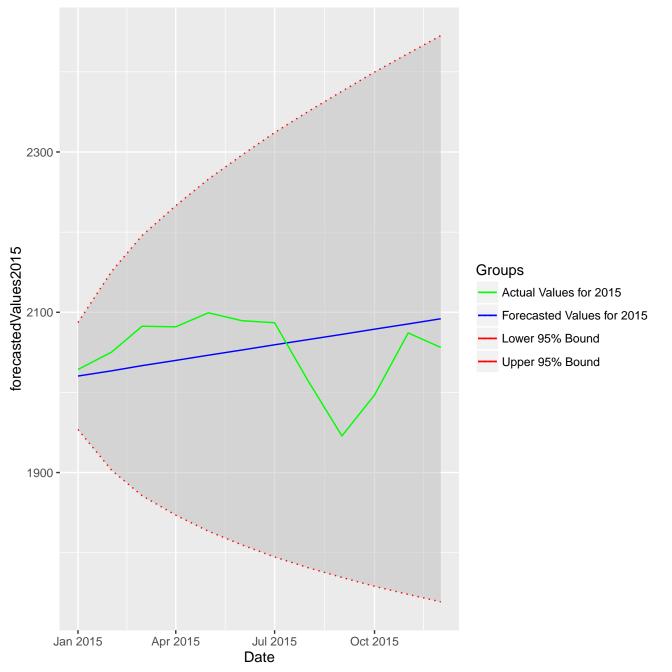
## **Histogram of ARIMA Training Set**

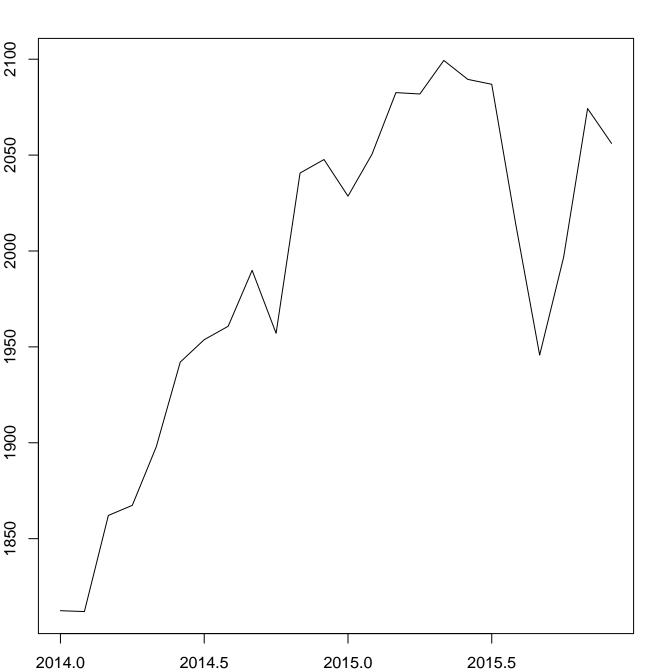












**Residual Plots for Forecast** 20 -50 -100

