Last 5 Year TITAN Stock Price history 450 **-**400 -350 -Price 300 -250 **-**200 -2014 2012 2013 2017 2015 2016 Time

TITAN Stock Trend 380 -340 -260 -

2014

Time

2015

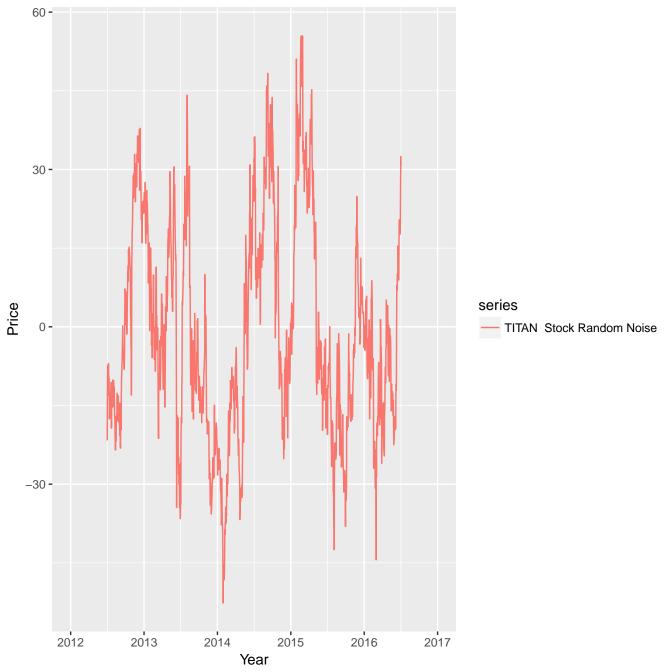
2016

2017

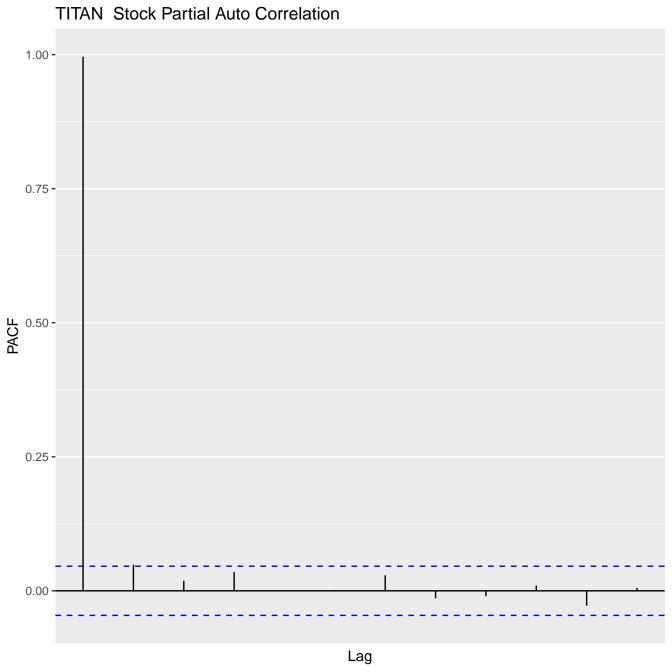
2013

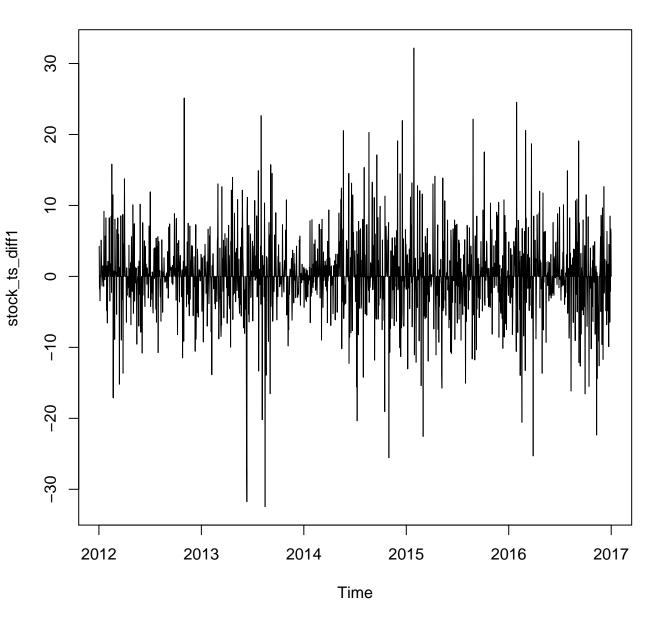
2012

TITAN Stock Seasonal 20 -10 -Price 0 --10 **-**2014 2012 2013 2015 2016 2017 Time

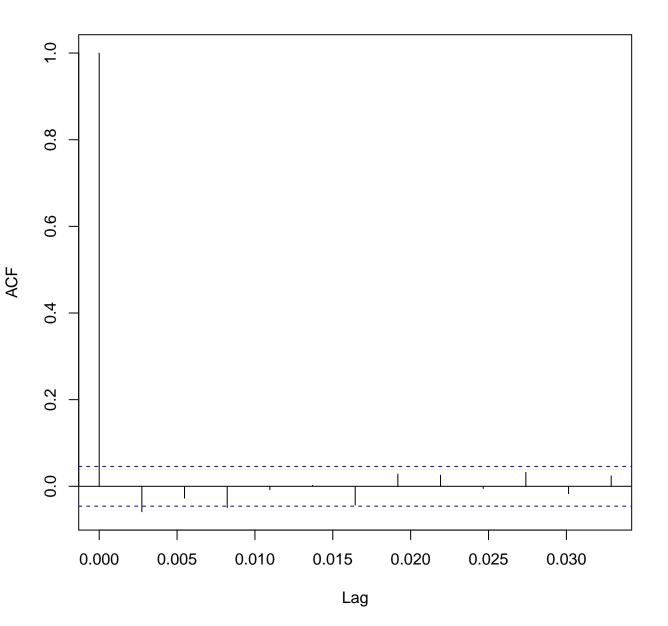


TITAN Stock Auto Correlation 1.00 -0.75 -ACF 0.20 -0.25 -0.00 -Lag

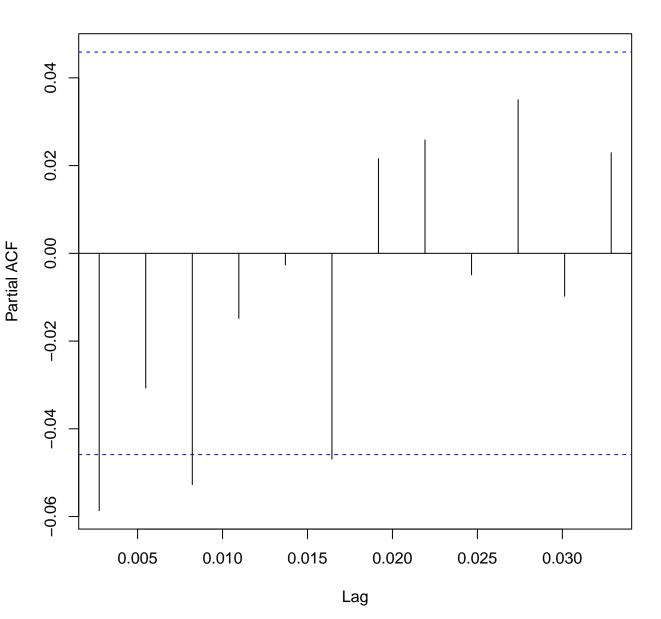




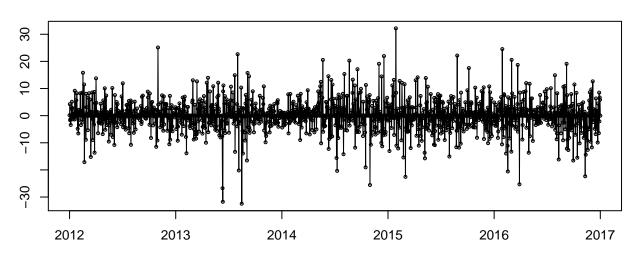
Series stock_ts_diff1

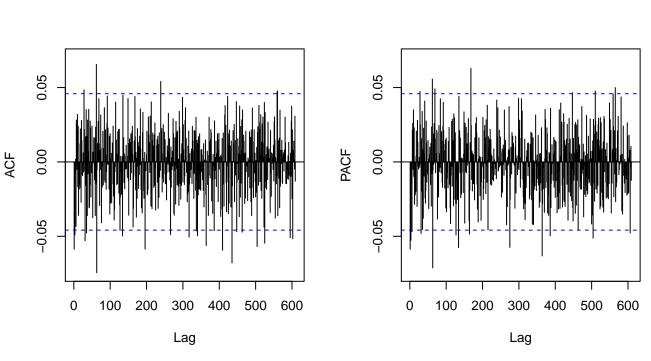


Series stock_ts_diff1



residuals(arima_model)

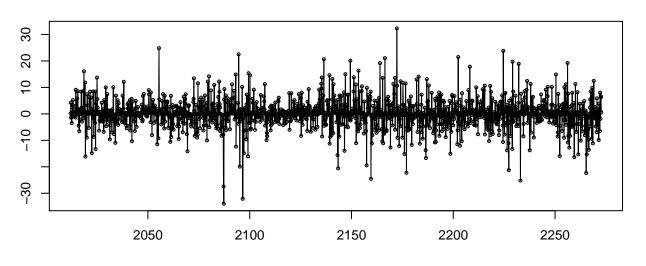


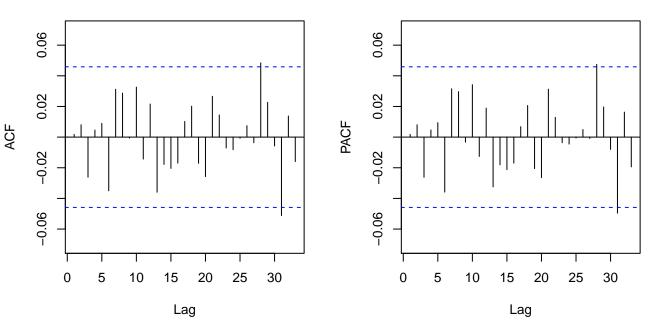


TITAN Stock Price Forecasts using Arima 14 days 450 **-**400 -350 level Price 300 -80 95 250 **-**200 -2012 2013 2014 2015 2016 2017 Year

TITAN Stock Price Forecasts using Auto Arima 14 days 450 **-**400 -350 level Price 300 -80 95 250 **-**200 -2000 2100 2200 Year

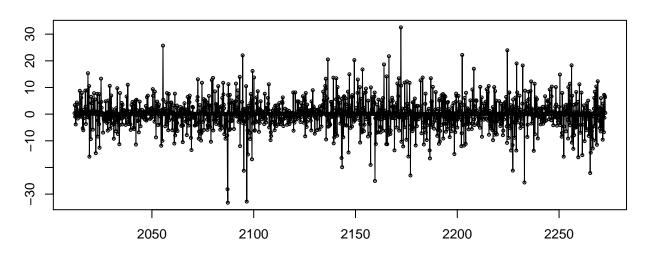
residuals(auto_arima_model)

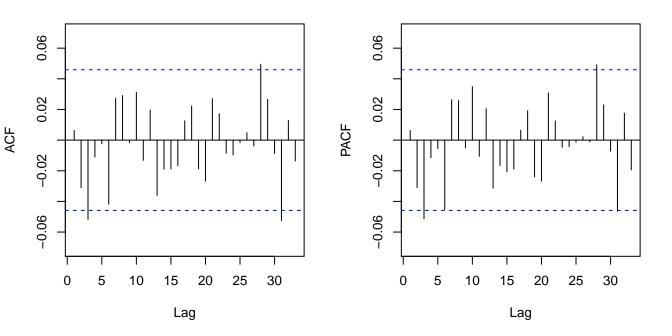




TITAN Stock Price Forecasts using Holt-Winter 14 days 450 **-**400 -350 level Price 300 -80 95 250 **-**200 -2000 2100 2200 Year

residuals(hw_mdl)





TITAN Stock Price Forecasts using Neural Network 14 days 450 **-**400 -350 -Price 300 -250 **-**200 -2000 2100 2200 Year

residuals(nnet_model)

