govhack

team 2078

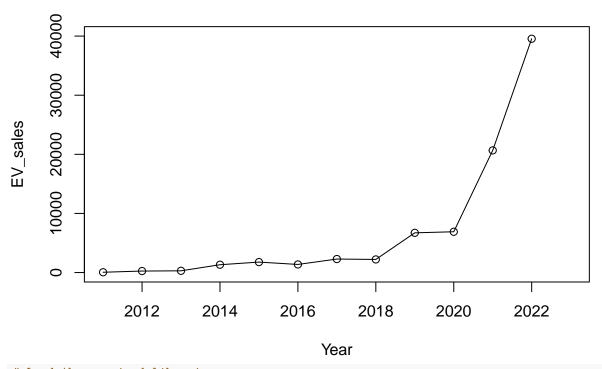
2023-08-19

```
Year <- 2011:2022

EV_sales <- c(49, 253, 293,1322,1771,1369,2284,2216,6718,6900, 20665,39553)

plot(Year, EV_sales, xlim = c(2011,2023), main = "Australian annual EV sales from EVC", ylim = c(0, 4000 lines(Year, EV_sales)
```

Australian annual EV sales from EVC



```
\# Forecast the next 'n' periods
n_forecast <- 3  # You can adjust this based on how far you want to forecast
forecast_result <- forecast(model, h = n_forecast)</pre>
# Print the forecasted values
print(forecast_result)
##
        Point Forecast
                          Lo 80
                                    Hi 80
                                             Lo 95
                                                        Hi 95
## 2023
                 58441 51968.76 64913.24 48542.57
                                                     68339.43
## 2024
                 77329 62856.64 91801.36 55195.43 99462.57
## 2025
                 96217 72000.10 120433.90 59180.45 133253.55
# Plot the original data and the forecasted values
plot(forecast_result, main = "EV Sales Forecast", xlab = "Year", ylab = "Sales")
lines(EV_sales_ts, col = "black")
```

EV Sales Forecast

