# Stock Portfolio Risk and Return

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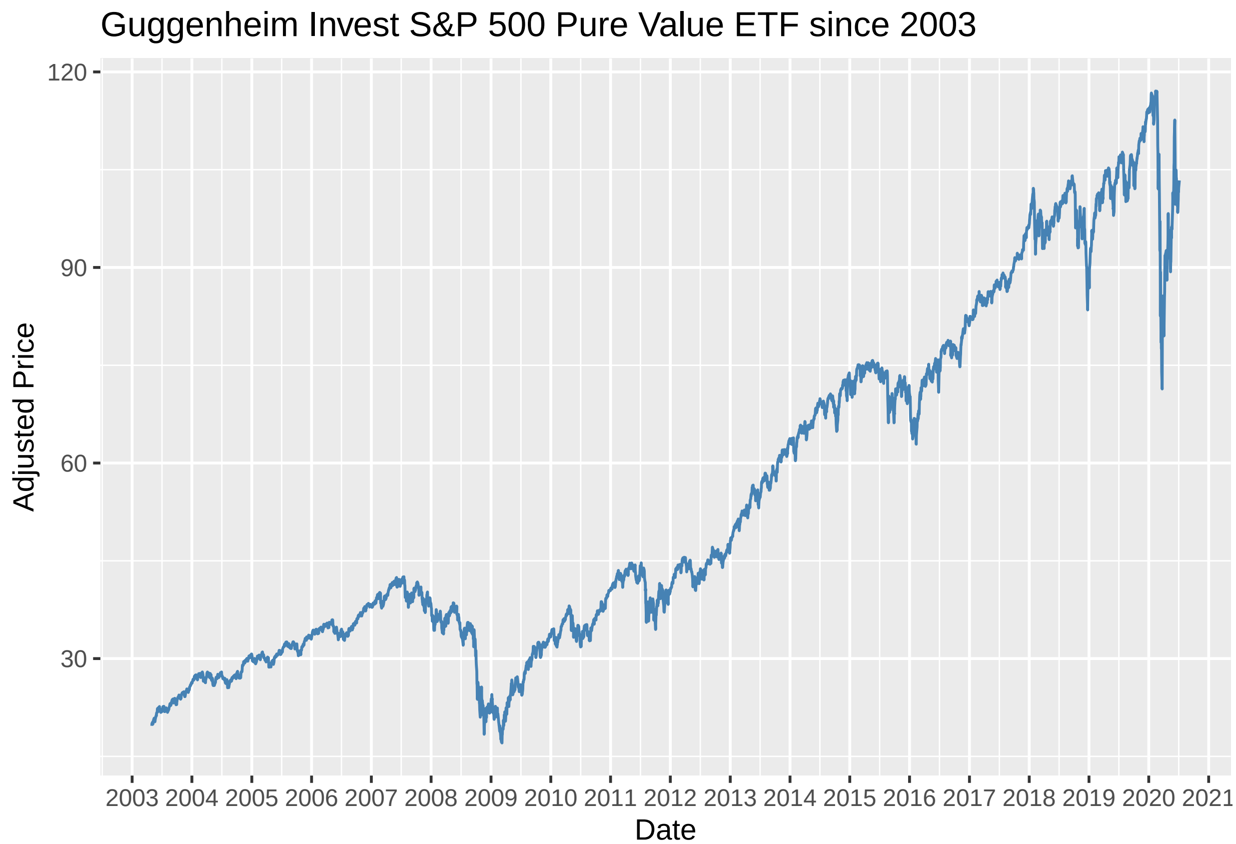
```r
#install.packages("tidyquant")
#install.packages("timetk")
#install.packages("plyr")

library("tidyquant")
library("timetk")
library("ggplot2")
library("plyr")
```

```r
#Data is downloaded using tq_get function from tidyquant
RSP <- tq_get("RSP", from = '2003-04-30', to = "2020-07-07", get = "stock.prices")

#Stock Prices are Plotted
RSP %>%
  ggplot(aes(x = date, y = adjusted)) +
  geom_line(size=0.5, color="steel blue") +
  ggtitle("Guggenheim Invest S&P 500 Pure Value ETF since 2003") +
  scale_x_date(date_breaks = "years", date_labels = "%Y") +
  labs(x = "Date", y = "Adjusted Price")
```


Guggenheim Invest S&P 500 Pure Value ETF since 2003
120
90
60
30
Adjusted Price
2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Date