

Stock_Exercise

Leo

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Teste com rmarkdown

Just an exercise to practice rmarkdown

For that we'll use a data set with the historic price of the stock SWK.

Gere we can see the first 30 register of the stock.

```
library(quantmod)
```

```
## Carregando pacotes exigidos: xts
```

```
## Carregando pacotes exigidos: zoo
```

```
##
```

```
## Attaching package: 'zoo'
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
##      as.Date, as.Date.numeric
```

```
## Carregando pacotes exigidos: TTR
```

```
## Registered S3 method overwritten by 'quantmod':
```

```
##      method      from
```

```
##      as.zoo.data.frame zoo
```

```
library(dplyr)
```

```
##
```

```
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:xts':
```

```
##
```

```
##      first, last
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
##      filter, lag
```

```
## The following objects are masked from 'package:base':
##
## intersect, setdiff, setequal, union
```

```
stock_symbol <- "SWK"
start_date <- as.Date("2015-01-01")
end_date <- Sys.Date()
getSymbols(stock_symbol,from=start_date, to=end_date)
```

```
## [1] "SWK"
```

```
df_stock <- data.frame(SWK)
# summary(SWK)
head(df_stock, 30)
```

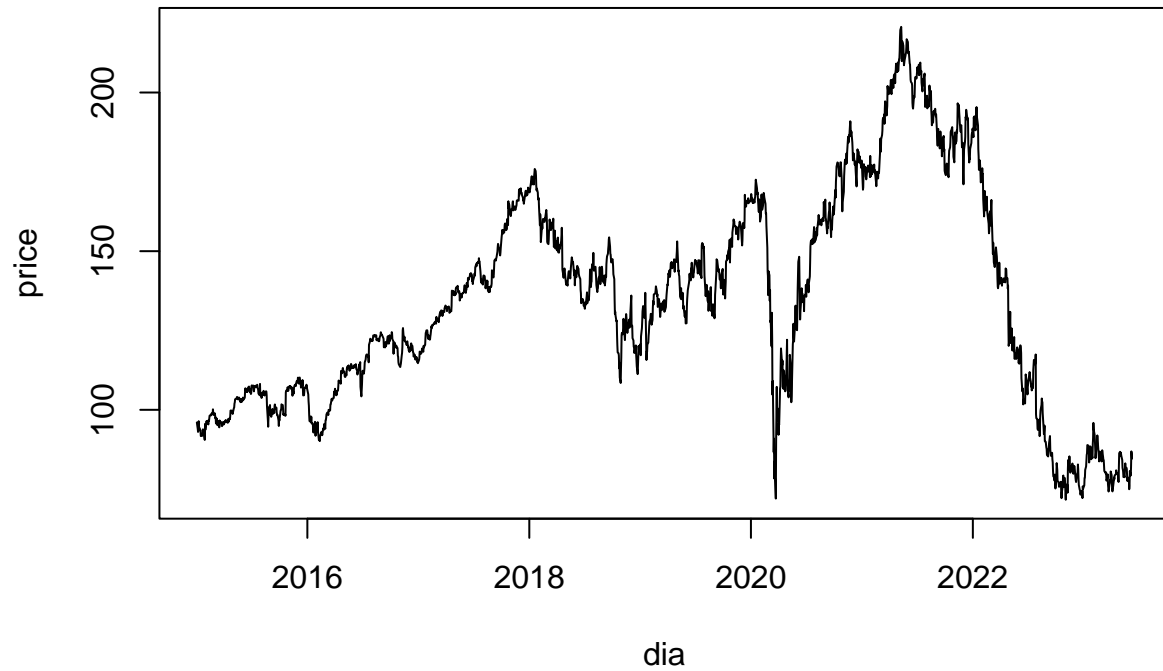
```
##          SWK.Open SWK.High SWK.Low SWK.Close SWK.Volume SWK.Adjusted
## 2015-01-02    96.57    96.81   94.91    96.02     550200     80.14399
## 2015-01-05    95.23    95.45   93.74    93.97    1211100     78.43294
## 2015-01-06    93.97    94.38   92.24    93.03    1182700     77.64835
## 2015-01-07    93.68    95.00   93.18    94.63    1446000     78.98380
## 2015-01-08    94.66    96.45   94.66    96.43    1024900     80.48619
## 2015-01-09    95.61    95.75   94.30    94.61    1433100     78.96711
## 2015-01-12    94.68    94.83   93.60    94.01    1101200     78.46630
## 2015-01-13    94.80    95.55   92.72    93.47    1330300     78.01559
## 2015-01-14    92.03    93.67   92.03    93.59    1592300     78.11575
## 2015-01-15    94.30    94.32   91.63    91.73    1307500     76.56331
## 2015-01-16    91.74    91.86   90.37    91.83    1396500     76.64674
## 2015-01-20    92.22    92.50   90.55    91.81    1022300     76.63004
## 2015-01-21    91.40    92.47   91.13    92.44    1244500     77.15590
## 2015-01-22    93.00    94.11   92.10    93.87    1278500     78.34947
## 2015-01-23    93.71    94.02   93.15    93.39    1120000     77.94881
## 2015-01-26    93.49    93.81   92.96    93.48    1467700     78.02393
## 2015-01-27    92.32    92.54   91.08    91.30    1338200     76.20438
## 2015-01-28    91.35    92.15   90.08    90.51    2263600     75.54499
## 2015-01-29    93.52    95.99   92.66    95.57    3271000     79.76836
## 2015-01-30    95.19    95.35   93.43    93.65    3205300     78.16582
## 2015-02-02    93.44    95.91   93.12    95.54    2177800     79.74334
## 2015-02-03    95.99    96.72   95.65    96.48    1521000     80.52792
## 2015-02-04    96.27    96.38   95.30    95.68    1722100     79.86020
## 2015-02-05    96.14    96.59   95.89    96.16    1108800     80.26083
## 2015-02-06    96.16    96.92   96.04    96.32    1005100     80.39436
## 2015-02-09    96.19    96.87   95.16    95.40    1978400     79.62646
## 2015-02-10    95.81    97.07   95.43    96.81    1000000     80.80336
## 2015-02-11    96.89    97.06   95.95    96.56    1317900     80.59470
## 2015-02-12    97.04    97.40   96.36    97.28    1268700     81.19566
## 2015-02-13    97.45    98.36   97.38    98.20     798500     81.96353
```

```
df_stock$Date <- index(SWK)
```

Including Plots

With the data it's possible to make the the historic chart of the price.

```
## [1] "SWK.Open"      "SWK.High"      "SWK.Low"       "SWK.Close"     "SWK.Volume"
## [6] "SWK.Adjusted"  "Date"
```



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.