

# The Strategy - Package

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## Introduction

This package allows users to apply customizable quantitative trading strategies to historical portfolio data. An S4 class called “Strategy” is implemented that creates objects from which various performance measurements may be extracted, visualized and compared. A template for custom quantitative strategies is available and so the package can be extended in an easy way and still all methods are available for consistent evaluations.

## Structure of Strategy-Objects

A **Strategy**-object contains all relevant information about the strategy executed on the portfolio data. Dependent packages are **zoo** and **xts**.

## Data

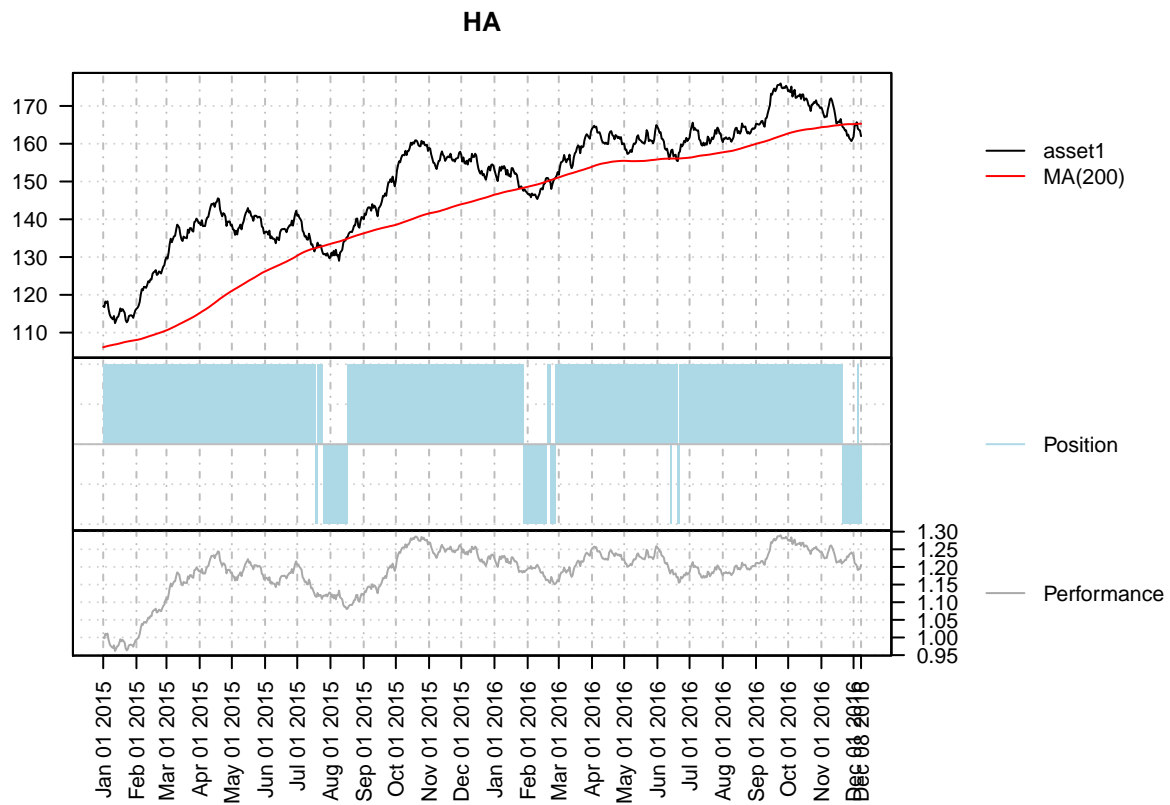
There is no data available within this package.

## Examples

```
require(Strategy)

# Generate positive random walks for random assets
set.seed(2)
len <- 1000
n <- 10
assets <- abs(apply(matrix(rnorm(n*len), ncol=n), 2, cumsum)) + 100)
colnames(assets) <- paste0("asset", 1:n)
assets <- xts(assets, order.by = seq(from=Sys.Date()-len, length.out=len, by="d"))

# MA(200)-strategy
myStrat.MA200 <- Strategy(assets = assets
                          , strat = "MA"
                          , strat.params = list(k=200))
```



“He who gives up [code] safety for [code] speed deserves neither.” (via)