**Trend Following Strategy in Python**

The concept of a trend following strategy is that the security's price usually follows the current trend's direction.

The basic principles of a trend following strategy involve the following:

* If the fast signal crosses above the slow signal, the market is bullish, and an uptrend is forming. This is classed as a buy signal.
* If the fast signal crosses below the slow signal, the market is bearish, and a downtrend is forming. This is classed as a sell signal.
* If the fast signal and the slow signal are close together, it indicated sideways movement in the market as there is no clear buy/sell signal.

Recent Modifications 11/09/2023

Here are the modifications I applied:

To make it clearer, I renamed the variable df as data.

To be more precise, I used SMA-10 instead of MA-10, which means simple moving average.

To increase the complexity, I switched MA-50 to EMA-50, which means exponential moving average. An EMA emphasizes the latest prices and adjusts more quickly to price movements.

To enhance the accuracy, I included an additional criterion for the buy and sell signals, which is that the price has to be higher than the SMA-10 for a buy signal, and lower than the SMA-10 for a sell signal. This provides an extra validation and minimizes false signals.

**References**

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