Stock Sortino Ratio Chart

September 29, 2021

1 Stock Sortino Ratio Chart

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[1]: # Library
    import pandas as pd
    import numpy as np
    import matplotlib.pyplot as plt
    import warnings
    warnings.filterwarnings("ignore")
    from pandas_datareader import data as pdr
    import yfinance as yf
    yf.pdr_override()
[2]: start = '2016-01-01' #input
    end = '2020-07-01' #input
    symbol = 'AMD'
[3]: df = yf.download("AMD", start, end)
    [********* 100%********** 1 of 1 completed
[4]: returns = df['Adj Close'].pct_change()[1:].dropna()
[5]: def sortino_ratio(symbol):
        numer = pow((1 + symbol.mean()), 252) - 1
        annual_volatility = symbol.std() * np.sqrt(252)
        denom = annual_volatility
        if denom > 0.0:
             sortino_ratio = numer / denom
        else:
            print('none')
        return sortino_ratio
[6]: # Compute the running Sortino Ratio
```

[6]: Text(0, 0.5, 'Sortino Ratio')

