

DownsidePotential

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Use the aggregate function [DownsidePotential](#) to calculate the downside potential of asset returns. The formula for [DownsidePotential](#) is:

$$\text{DownsidePotential} = \overline{\max(0, \text{MAR} - R)}$$

Where

R = asset return
MAR = minimum acceptable return

Syntax

```
Public Shared Function DownsidePotential(  
    ByVal R As Double(),  
    ByVal MAR As Double,)
```

Arguments

R

the asset return for a period; the percentage return in floating point format (i.e. 10% = 0.10). *R* is an expression that returns an Array of **Double**, or of a type that can be implicitly converted to an Array of **Double**.

MAR

the {description}. *MAR* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

Return Type

Double

Remarks

- If *R* IS NULL it is not included in the calculation.
- If *MAR* IS NULL it is set to zero.

See Also

- [BetaCoKurt](#) - Calculate the beta-cokurtosis of an asset return and a benchmark return
- [BetaCoSkew](#) - Calculate the beta-coskewness of an asset return and a benchmark return
- [BetaCoVar](#) - Calculate the beta-covariance of an asset return and a benchmark return
- [DownsideDeviation](#) - Calculate the downside deviation of asset returns
- [DownsideFrequency](#) - Calculate the downside frequency of asset returns
- [FinCoKurt](#) - Calculate the cokurtosis of an asset return and a benchmark return
- [FinCoSkew](#) - Calculate the coskewness of an asset return and a benchmark return
- [Omega](#) - Calculate the Omega of asset returns
- [OmegaExcessReturn](#) - Calculate the Omega Excess Return

- OmegaSharpeRatio - Calculate the Omega-Sharpe ratio of asset returns
- SemiDeviation - Calculate the semi-deviation of asset returns
- SemiVariance - Calculate the semi-variance of asset returns
- SpecificRisk - Calculate Specific Risk, the standard deviation of the error term in the regression equation
- SystematicRisk - Calculate the Systematic Risk
- TotalRisk - Calculate Total Risk
- UpsideFrequency - Calculate the upside frequency of asset returns
- UpsidePotentialRatio - Calculate the Upside Potential Ratio
- UpsideRisk - Calculate the Upside Risk, Upside Variance or Upside Deviation