



Monday ◆ WK 50 (344-022)

2.] volatility is a statistical measure of the dispersion return for a given asset.

The directly impacts the risk and potential profitability of trades. => High volatility can lead to larger and more frequent deviations in the spread, potentially creating more trading opportunity. 12 => In high volatility market, traders use tight risk management which causer low loss. or > In low volatility market, traders adjust thresholds since small price fluctuation might represent meaningful opportunities. 3). This method removes features with low variance, under the 03 assumption that features with minimal variation carry no info for predicting the target authorized. variable. of -> In trading, these features may represent price or indicator data that remain relatively constant over time,

of providing limited predictive value. Thelps us identify relevant features, improve model of efficiency and enhance predictive accuracy. => It benefits in noise reduction [removing low-variance or features], focus on informative signal and adaptability. => As drawback, we are anyhow discarding some information.
=> It do not consider feature's correlation or predictive power
relative to target audience. December

9 4] Using stop loss orders can help us in risk management
as it put a check on the spread bet 2 assets.
We need not to make decisions under stress. We have
the algo to take care about it.
11 It is executed automatically even when trader is not actively
monitoring the market.
12 It have some drawbacks because it may make an exit during temorary spread, resulting in missed opportunity. Of Itall be very sensitive in volatile market.
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5]. To apply volatility threshold to Kalman Filter strategy: -> We can measure volatility during each iteration of Kalman filter and use the filters, residual as additional measure
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of filter and use the filters, residual as additional measure
of volatility
~ We establish threshold: low residual volatility: stable relation
high residual volatility = unstable relation.
05 => We can increase threshold during high volatility periods to
T
avoid overreaction to noise. See we can use tigher threshold during low volatility period, to capitalize on smaller movement.
capitalize un smaller movement.
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