

### Introduction to Pair Trading

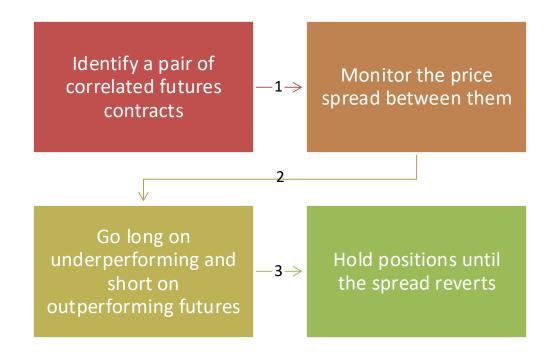
Market-neutral strategy involving two assets

Simultaneously long one asset, short the other

Profits from relative price movements (spread)

Assumes price convergence of correlated assets

Steps in Pair Trading with Futures



## Benefits and Risks of Pair Trading

#### Benefits:

- Market-neutral strategy
- Reduces broad market risk
- Flexible across asset classes

#### Risks:

- Correlation breakdown
- Timing the reversion
- Leverage amplifies losses

Example: S&P 500 Futures vs. Nasdaq 100 Futures

Go short on Nasdaq, long on S&P 500 Profit from narrowing of the price difference

Applications in futures:

Commodities (Gold vs. Silver)

Stock indices (S&P 500 vs. Nasdaq)

Interest rates (2-year vs. 10-year Treasury)

# **Example and Applications**