Forex Technical Indicators List

by tutorialfocus aka Paul Quinn

1. Average True Range (ATR)
2. Bollinger Bands
3. Commodity Channel Index (CCI)
4. Moving Average Convergence Divergence (MACD)
5. Momentum
6. Moving Average
7. Parabolic Time Price SAR
8. Relative Strength Index (RSI)
9. Stochastic Oscillator
10. Williams %R

1. Average True Range (ATR)

The True Range indicator is a measure of volatility.

The ATR indicator can be downloaded here.
The "average" part of the word comes from the Exponential Moving Average that is applied to the True Range.

The exact creator use of Average Range can be ...

2. Bollinger Bands

Average Bands are basically calculating a simple moving average of price. Most moving averages lag price, but Bollinger Bands solve this problem by adding and subtracting a standard deviation calculation to the moving average. Standard deviation is a statistical measurement of volatility, so when the market rises or falls quickly, the bands widen to contain price data. When the market becomes less volatile, the bands contract.

The exact creator use of Average Bands are for ...

For example if price touches the upper band and the bands are relatively flat, price may pull back to the middle band. If the bands are narrow and price breaks through the upper band, it may be a good idea to buy the currency pair as it may be the start of a big move.

If price touches the lower band in a downtrend, it is not a reason to sell. In a downtrend price can "walk down the lower band". Price can move outside the bands. When price does move outside the bands, it is a relative indication that price may be relatively high or low.

3. Commodity Channel Index (CCI)

Commodity Channel Index (CCI) is based on the standard deviation from Typical Price. Typical Price is the average of the high, low and close for the period. The CCI indicator is designed to measure the variation of a security's price from its statistical mean. High values show that prices are unusually high compared to average prices, whereas low values indicate that prices are unusually low.

The exact creator use of Commodity Channel Index are for ...

The Commodity Channel Index (CCI) measures the difference between the current price and the historical average price. When the current price is above the historical average price, the CCI goes positive. When the current price is below the historical average price, the CCI goes negative. Simply put, a positive CCI indicates that price is above its historical average while a negative CCI indicates that price is below its historical average. Peaks above +100 and troughs below -100 can be used to identify overbought and oversold conditions.

In this example, Commodity Channel Index (CCI) is applied to a 20-period Simple Moving Average. Notice how the CCI peaks above +100 and troughs below -100 during the trending periods. The CCI then moves sideways during the consolidation periods.

The Commodity Channel Index (CCI) is a versatile indicator that can be used to identify a new trend or warn of extreme conditions. It is also one of the few indicators that can be used for multiple purposes. Here are the most popular ways to apply the CCI to your trading:

CCI is a strong momentum indicator that can be used to identify a trend. Positive readings above +100 indicate strength while negative readings below -100 indicate weakness.

4. Moving Average Convergence Divergence (MACD)

The Moving Average Convergence Divergence (MACD) is a trend following momentum indicator that shows the relationship between two moving averages of prices.

The MACD is the difference between a security's 26-period and 12-period Exponential Moving Averages. A 9-day EMA of the MACD, called the "signal line", is then plotted on top of the MACD, functioning as a trigger for buy and sell signals.

The MACD turns positive when the EMA is above the 26-period EMA and negative when it is below. Traders watch for a move above or below the zero line to confirm the direction of a trend.

The exact creator use of MACD are for ...

MACD histogram version shows the difference between the MACD and its 9-day EMA, the signal line. The histogram is positive when the MACD is above its signal line and negative when the MACD is below its signal line.

5. Momentum

Momentum is the rate of acceleration of a security's price or volume – the speed at which the price is changing and the likelihood that a trend is about to reverse. Momentum indicators help measure the amount that a security's price will change over a given time span.

The exact creator use of Momentum are for ...

Momentum indicators can be used in many ways, but the most popular is to look for divergences between the indicator and the price. For example, if a security's price is making new highs, but momentum is failing to confirm the highs, it could be a sign that the uptrend is about to reverse. Momentum indicators can also be used to identify overbought and oversold securities.

6. Moving Average

A Moving Average is simply a line on a chart, in other words, Moving Averages are a tool that can be used to help identify trend direction. They can help to define areas of support and resistance and can be used to generate buy and sell signals.

Moving Averages are a lagging indicator, which means that they don't predict where prices are going, but rather they follow where prices have been. Despite this, Moving Averages are one of the most popular indicators used by traders.

The difference between the two types of moving averages lie in the way that they are calculated. A Simple Moving Average is the average price of a security over a period of time. Exponential Moving Averages are similar to Simple Moving Averages except more weight is given to the latest data. This is the only difference between the two types of moving averages.

Which Moving Average is better? Exponential Moving Averages are more sensitive to new data meaning they react faster to changes in price than Simple Moving Averages. Because of this, many traders prefer to use Exponential Moving Averages. However, Simple Moving Averages are also widely followed and in some cases, traders will even look at both types of moving averages on the same chart.

The exact creator use of Moving Average are for ...

The Exponential Moving Average is similar to the Simple Moving Average in that it is a trend following indicator that is designed to smooth price data over a specified period of time. However, the Exponential Moving Average gives more weight to recent prices, while the Simple Moving Average assigns equal weight to all prices. Both the Simple and Exponential Moving Averages can be used to identify trend direction and to generate buy and sell signals.

The exact creator use of Exponential Moving Average are for ...

The Linear Weighted Moving Average is similar to the Simple Moving Average in that it is a trend following indicator that is designed to smooth price data over a specified period of time. However, the Linear Weighted Moving Average gives more weight to recent prices, while the Simple Moving Average assigns equal weight to all prices. Both the Simple and Linear Weighted Moving Averages can be used to identify trend direction and to generate buy and sell signals.

The exact creator use of Linear Weighted Moving Average are for ...

The Smoothed Moving Average is similar to the Simple Moving Average in that it is a trend following indicator that is designed to smooth price data over a specified period of time. However, the Smoothed Moving Average gives more weight to recent prices, while the Simple Moving Average assigns equal weight to all prices. Both the Simple and Smoothed Moving Averages can be used to identify trend direction and to generate buy and sell signals.

The exact creator use of Smoothed Moving Average are for ...

7. Parabolic Time Price SAR

The Parabolic Time Price System (developed by J. Welles Wilder) is a trend following indicator that is designed to identify potential reversals in the market. The Parabolic Time Price System is also known as the Stop and Reverse System, or SAR for short.

The Parabolic Time Price System is designed to be used in trending markets, which is when prices are moving in a clear direction. The Parabolic Time Price System is not designed to be used in choppy or sideways markets.

The exact creator use of Parabolic Time Price are for ...

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8. Relative Strength Index (RSI)

The Relative Strength Index (RSI) is a momentum oscillator that measures the speed and change of price movements. The RSI oscillates between zero and 100. Traditionally, and according to Wilder, RSI is considered overbought when above 70 and oversold when below 30. Signals can be generated by looking for divergences and failure swings. RSI can also be used to identify the general trend.

The exact creator use of Relative Strength Index are for ...

9. Stochastic Oscillator

The Stochastic Oscillator is a momentum indicator that shows the location of the close relative to the high-low range over a set number of periods. According to an publication by George Lane the Stochastic Oscillator "follows the speed or momentum of price. As a rule, the momentum changes direction before price."

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10. Williams %R

Williams %R, also known as the Williams Percent Range, is a type of momentum indicator that moves between 0 and -100 and measures overbought and oversold levels. It was developed by Larry Williams and is very similar to the Stochastic Oscillator.

The exact creator use of Williams %R are for ...

The 4 Golden Trading Recommendations

1. Trend Direction
2. Trend Entry (Buy Signal, Sell Signal)
3. Trend Exit (Take Profit, Stop Loss)
4. Trend Management (Trailing Stop, Breakeven)

Trend Direction is the most important of the 4 golden trading recommendations. Always trade in the direction of the trend. Trading against the trend is a losing strategy.

Trend Entry is the second most important of the 4 golden trading recommendations. Wait for a pullback to enter the trend. Trading pullbacks is a low risk strategy.

Trend Exit is the third most important of the 4 golden trading recommendations. Always use a stop loss to protect your capital. Always use a take profit to lock in profits.

Trend Management is the fourth most important of the 4 golden trading recommendations. Trailing stops and breakeven stops are used to protect profits.

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