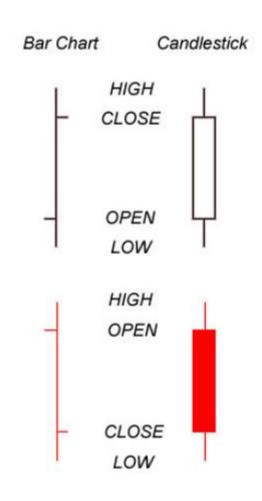
Candlesticks

Candlestick charts are the graphic depiction what is occurring in investor sentiment

It is the Perception of fundamentals makes a market, stock or commodity move up or down

Charts and Technical Analysis works because technicians make it work

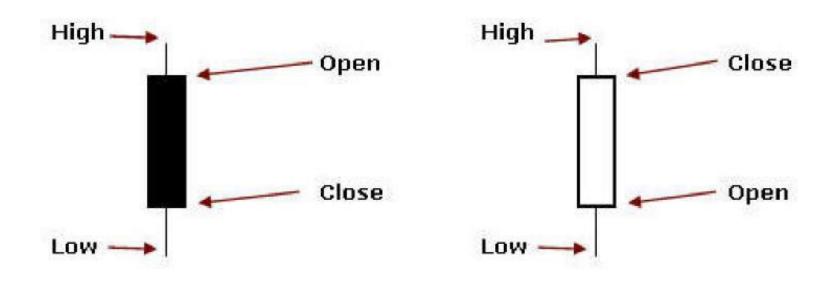
Bar Chart vs Candlestick Chart



LEJ17 - Live Cattle - Daily OHLC Chart



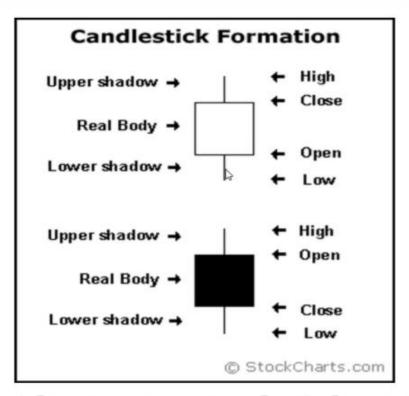




BEARISH

BULLISH

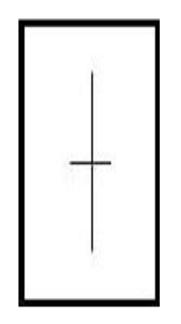
Price Action



Each candlestick provides an easy-to-decipher picture of price action

Doji

A doji means indecision and a series of Dojis means greater indecision and look for a breakout and/or a reversal



DOJI Recognition: The open and close are the same or very close to the same.

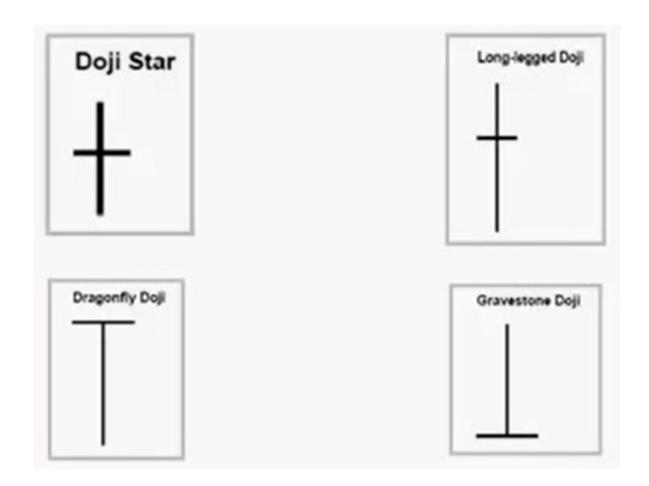
Pattern Psychology: The Bulls and the Bears are conflicting. This is an alert to investors to take heed for possible trend reversal.

DOJI RULES

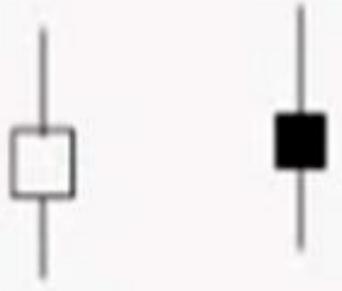
- See a Doji at the Top SELL
- Doji at the Bottom Needs confirmation, or the Japanese say that the weight of the market can keep the trend moving down.
- Always pay heed whenever a Doji appears







Spinning Top























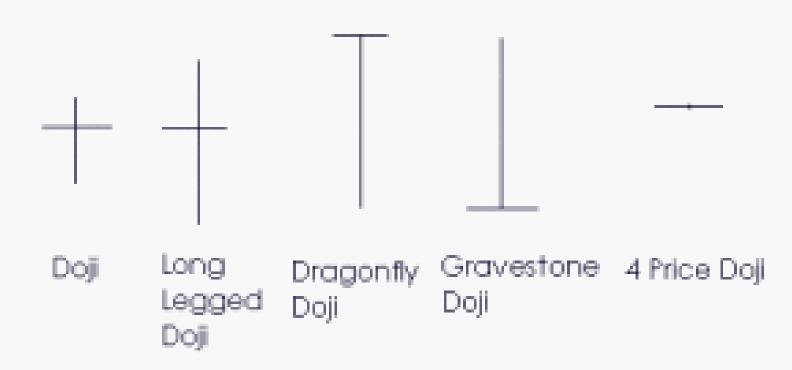




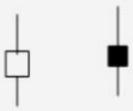




Doji's



Spinning Top



Spinning Tops are depicted with small bodies relative to the shadows. This demonstrates some indecision on the part of the bulls and the bears. They are considered neutral when trading in a sideways market. However, in a trending or oscillating market, a relatively good rule of thumb is that the next days trading will probably move in the direction of the opening price. The size of the shadow is not as important as the size of the body for forming a Spinning Top.



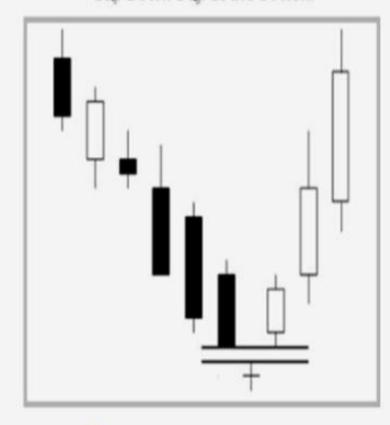
Doji at Top with Gap Down



- After an extended uptrend, a Doji at the top means to 'take heed'.
- A gap down after a Doji at the Top, indicates strong selling pressure ahead

Gap Down Doji at the Bottom

Gap Down Doji at the Bottom



- After an extended downtrend, a Gap Down Doji at the bottom, means to 'take heed'
- Followed by a gap up the next day, indicates strong buying pressure ahead

DOJI RULES

- 1. Doji at the top Take Profits
- 2. Doji's at the Bottom require Bullish confirmation
- If 1 Doji means indecision, a number of Doji's mean greater indecision
- 4. The trend will usually move in the direction of the next open

TIPS

Trends
Indicators
Patterns
Signals

Trend lines

Support and Resistance Direction

LEJ17 - Live Cattle - Daily Candlestick Chart



ZSK17 - Soybeans - Daily Candlestick Chart



ZCK17 - Corn - Daily Candlestick Chart



ZSX17 - Soybeans - Daily Candlestick Chart Op:1033-0, Hi:1034-4, Lo:1028-4, Cl:1030-6 EXPMA (8): 1026-7 ■ SMA (50): 1013-0 EXPMA (20): 1021-5 EXPMA (100): 999-6 ■ SMA (200): 977-5 1050-0 1040-0 1030-6 1020-0 1010-0 1000-0 990-0 980-0 970-0 960-0 950-0 940-0 930-0 920-0 910-0 900-0 890-0 880-0 870-0 ■ %D (3): 84.21 ■ Slow Stochastic %K (12): 87.06 100 80 20

Sep

Oct

Nov

Dec

Mar 16

May

Apr

Jun

Jul

Aug

Jan 17

Feb

ZSX16 - Soybeans - Daily Candlestick Chart



CCK17 - Cocoa - Daily Candlestick Chart



Indicators

Momentum Indicators – Slow Stochastics 12,3,3

Moving Averages – 8,20,100 exp, 50, 200 simple

8 EXP – T-Line or trigger line

Fib Retracements

ZSK17 - Soybeans - Daily Candlestick Chart



ZSK17 - Soybeans - Daily Candlestick Chart



ZSK17 - Soybeans - Daily Candlestick Chart



ZSK17 - Soybeans - Daily Candlestick Chart Op:1070-6, Hi:1073-2, Lo:1064-2, Cl:1071-6 EXPMA (8): 1064-0 ■ SMA (50): 1045-6 EXPMA (20): 1057-3 ■ EXPMA (100): 1032-4 ■ SMA (200): 1019-6 1120-0 1100-0 8 EMA 1080-0 1071-6 **20 EMA** 1060-0 1040-0 50 SMA 1020-0 1000-0 980-0 960-0 940-0 920-0 200 day Moving Ave 900-0 880-0 860-0 ■ Slow Stochastic %K (12): 83.16 ■ %D (3): 79.94 100 80 60 40

Mar 16

Apr

May

Jun

Jul

Oct

Nov

Dec

Jan 17

Feb

Sep

20

ZSX17 - Soybeans - Daily Candlestick Chart Op:1033-0, Hi:1034-4, Lo:1028-4, Cl:1030-6 EXPMA (8): 1026-7 ■ SMA (50): 1013-0 EXPMA (20): 1021-5 EXPMA (100): 999-6 ■ SMA (200): 977-5 1050-0 1040-0 1030-6 1020-0 1010-0 1000-0 990-0 980-0 970-0 960-0 950-0 940-0 930-0 920-0 910-0 900-0 890-0 880-0 870-0 ■ Slow Stochastic %K (12): 87.06 ■ %D (3): 84.21 100 80 20

Sep

Oct

Nov

Dec

Mar 16

Apr

May

Jun

Jul

Aug

Jan 17

Feb

ZSX17 - Soybeans - Daily Candlestick Chart Op:1033-0, Hi:1034-4, Lo:1028-4, Cl:1030-6 EXPMA (8): 1026-7 SMA (50): 1013-0 EXPMA (20): 1021-5 EXPMA (100): 999-6 ■ SMA (200): 977-5 1050-0 1040-0 1030-6 1020-0 8 EMA 1010-0 **20 EMA** 1000-0 990-0 50 SMA 980-0 970-0 960-0 950-0 940-0 930-0 200 day Moving Ave 920-0 910-0 900-0 890-0 880-0 870-0 ■ Slow Stochastic %K (12): 87.06 ■ %D (3): 84.21 100 80 20 Mar 16 May Jun Jul Aug Sep Oct Nov Dec Jan 17 Feb Apr





DXH17 - U.S. Dollar Index - Daily Candlestick Chart Op:100.495, Hi:100.735, Lo:100.440, Cl:100.650 ■ EXPMA (8): 100.678 ■ SMA (50): 101.355 EXPMA (20): 100.641 EXPMA (100): 99.902 104.000 103.500 103.000 102.500 102.000 101.500 101.000 100.650 100.000 99.500 99.000 98.500 98.000 97.500 97.000 96.500 96.000 95.500 95.000 94.500 94.000 ■ Slow Stochastic %K (12): 60.78 ■ %D (3): 73.62 100 80 20 Sep 16 Oct Nov Dec Jan 17 Feb

DXH17 - U.S. Dollar Index - Daily Candlestick Chart ■ Op:100.495, Hi:100.735, Lo:100.440, Cl:100.650 ■ EXPMA (8): 100.678 ■ SMA (50): 101.355 ■ EXPMA (20): 100.641 EXPMA (100): 99.902 104.000 103.500 103.000 102.500 102.000 101.500 101.000 100.650 100.000 99.500 99.000 98.500 98.000 97.500 97.000 96.500 96.000 95.500 95.000 94.500 94.000 ■ Slow Stochastic %K (12): 60.78 ■ %D (3): 73.62 100 80 40 - 20 Sep 16 Oct Nov Dec Jan 17 Feb

Patterns

Gaps Cradles **J-Hooks** Saucer Bottom or Flat Bottom Rounded Bottom or Dumping Top T-Line Crunch Cup and Handle **Head and Shoulders** Flags/Pennants **Triangles and Wedges**

Pattern

T-Line Crunch

ZCN16 - Corn - Daily Candlestick Chart



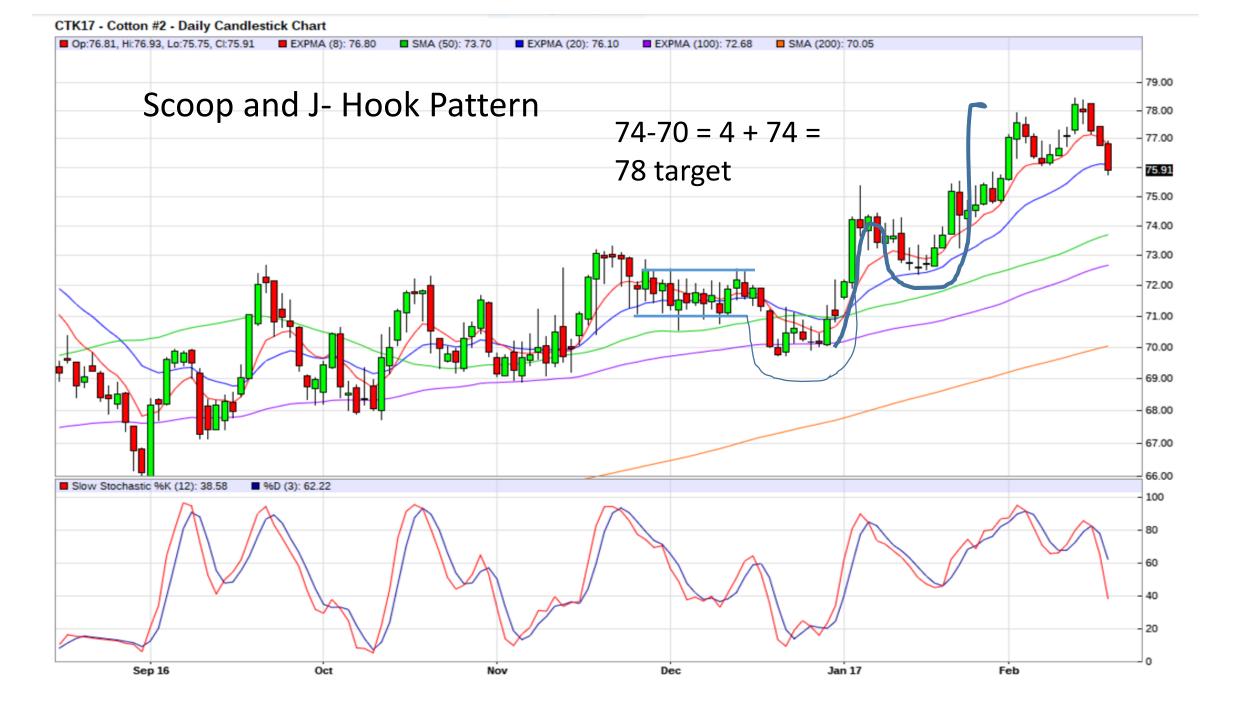


J-Hook

Jay Hook Pattern



- The first move of the uptrend is very strong.
- A candlestick sell signal indicates a pullback about to occur.
- After a few days, small indecisive candles start to appear
 - Doji, small Hammers, Bullish
 Engulfing signals



RSK17 - Canola - Daily Candlestick Chart



GCJ17 - Gold - Daily Candlestick Chart

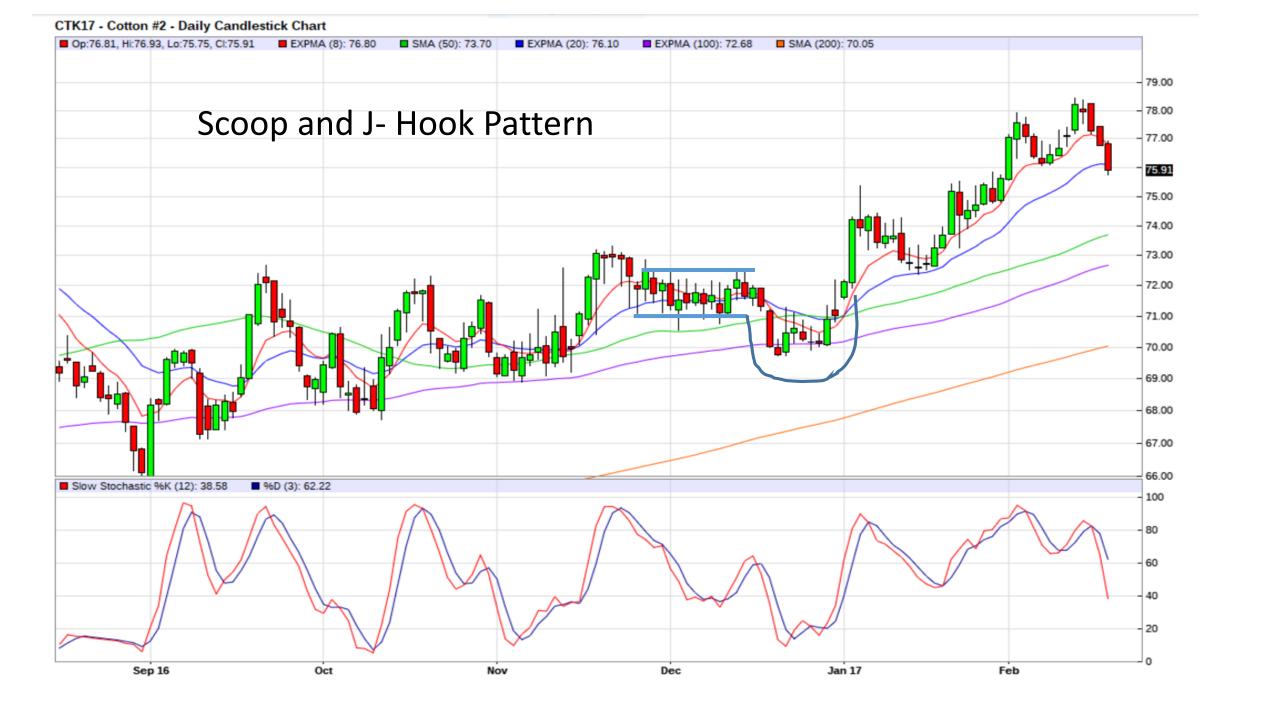


Scoop

Scoop Pattern

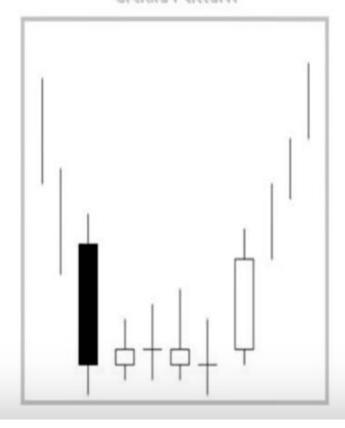


- An extended flat trading area
 - Followed by a pullback
- Buy signals bring price back up to flat trading range
- Once price breaks above flat range, look for strong uptrend



Cradle

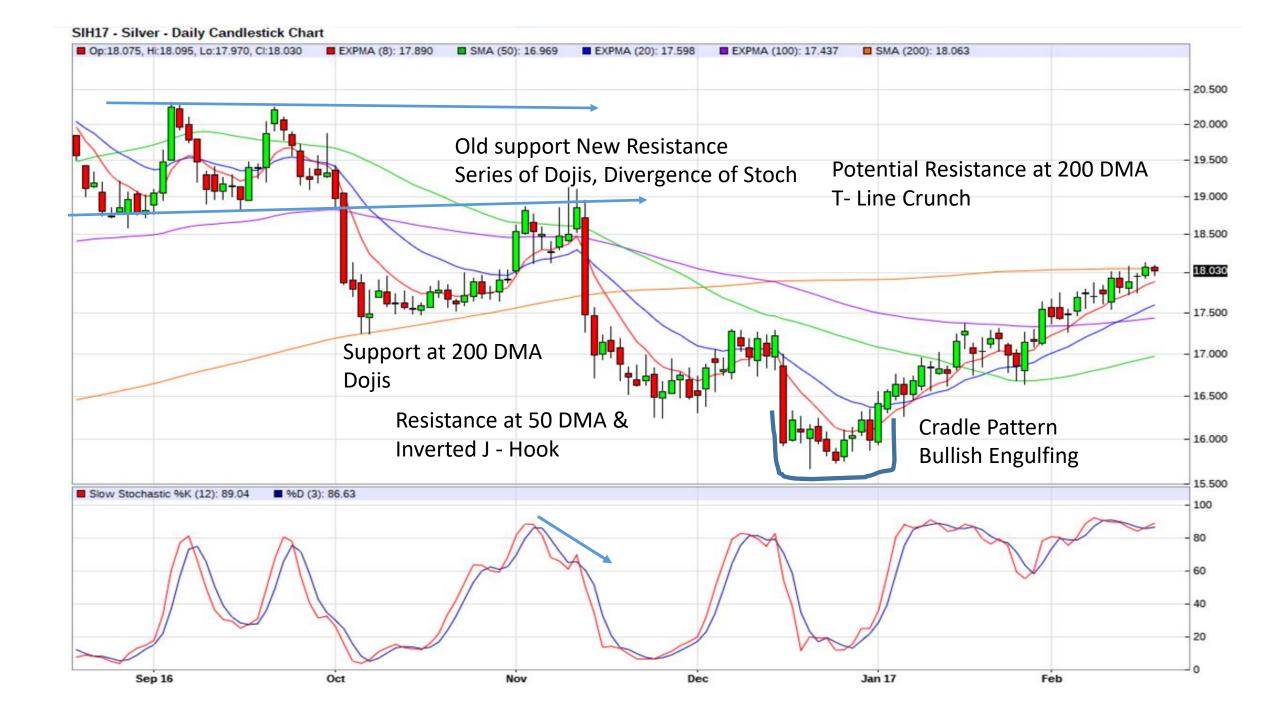
Cradle Pattern



- The Cradle Pattern is a symmetric bottom pattern that is easy to identify.
 - A downtrend becomes obvious with a large black candle at the bottom.
 - A series of small or indecisive trading days trade in a flat area.
 - A bullish candle, more powerful with a Bullish Engulfing signal, is formed of approximately the same magnitude as a Bearish candle at the end of the downtrend.
- This signifies that the Bulls have come out of the indecisive trading area with decisive force.

ZSX16 - Soybeans - Daily Candlestick Chart





Triangles

DXH17 - U.S. Dollar Index - Daily Candlestick Chart



ZSX17 - Soybeans - Daily Candlestick Chart

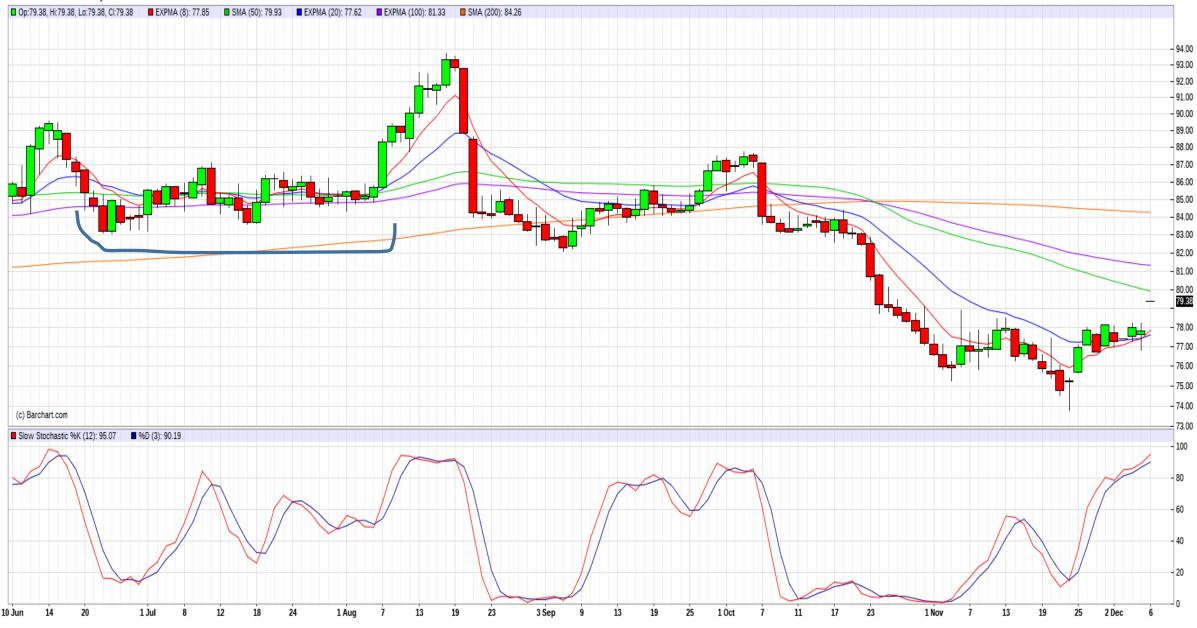


ZCZ17 - Corn - Daily Candlestick Chart



Sauce or Flat Bottom

CTZ13 - Cotton #2 - Daily Candlestick Chart



HGH17 - High Grade Copper - Daily Candlestick Chart



HGH17 - High Grade Copper - Daily Candlestick Chart



Flag and Pennants

SBK17 - Sugar #11 - Daily Candlestick Chart



Gaps

Trading Gaps

 Gaps represent enthusiasm to get into a position to the point that investors will pay prices away from any of the previous day's trading range.

 Great for identifying panic selling at the bottom and exuberant buying at the top.

TRADING GAPS

What is the definition of a GAP?

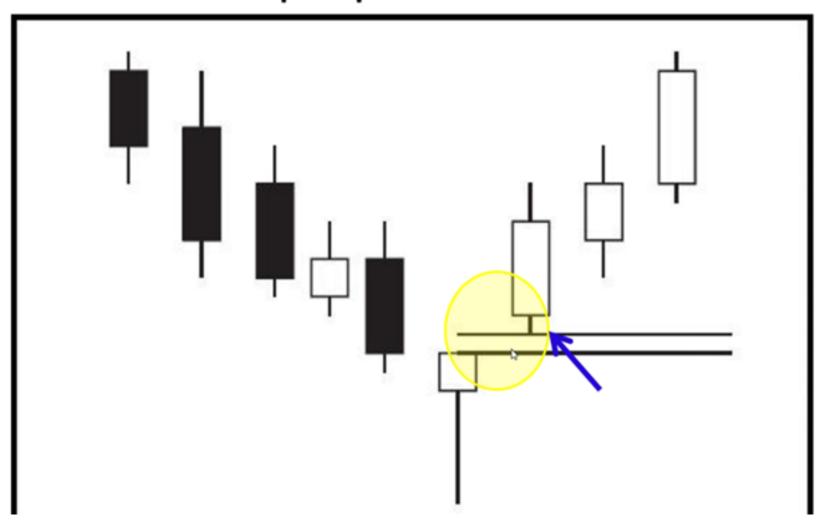
Gap or 'window' occurs when there is a 'gap' in price within a specific time frame.

In a rising chart, it illustrates prices opening higher than previous trading range. The buyers have stepped in with great enthusiasm

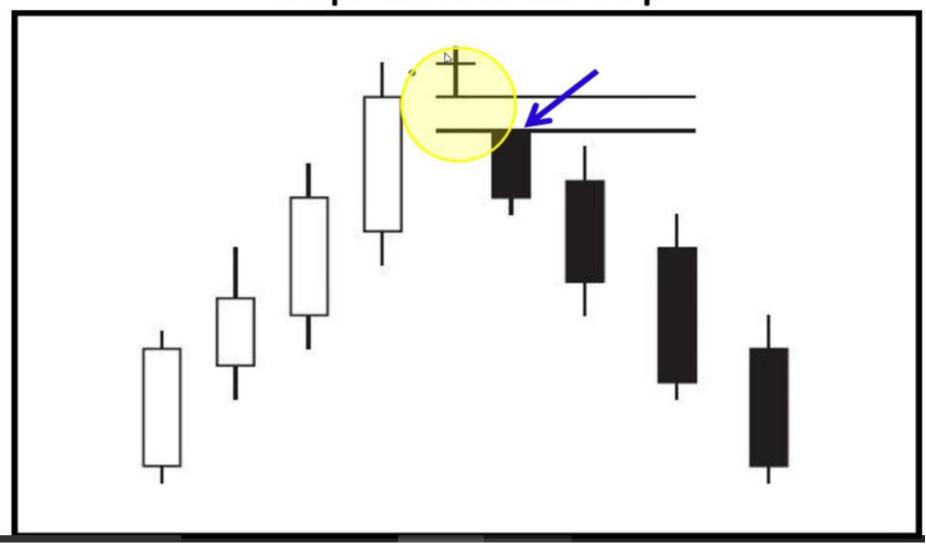
In a declining chart, it illustrates prices opening lower than previous trading range. The sellers are getting out at any cost.



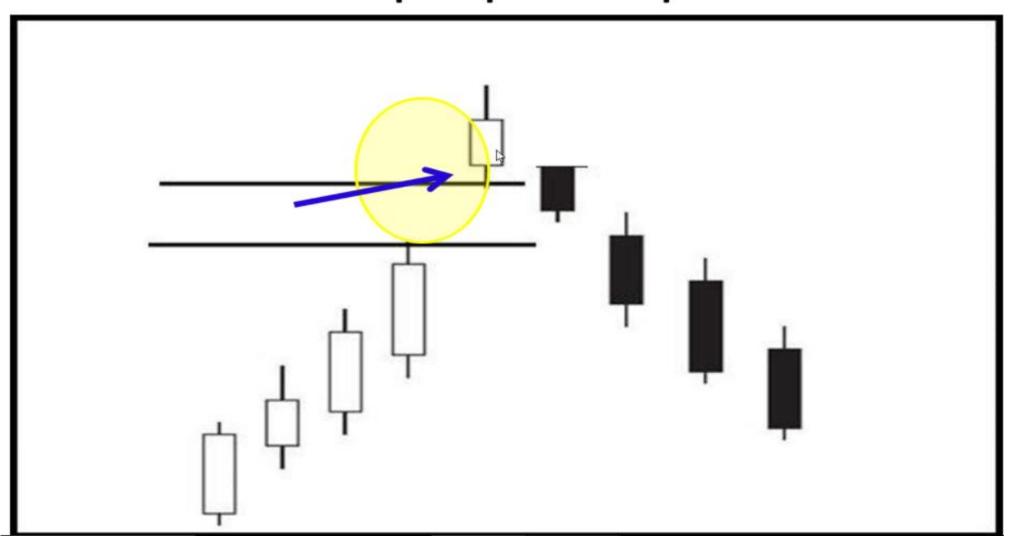
Gap Up at Bottom



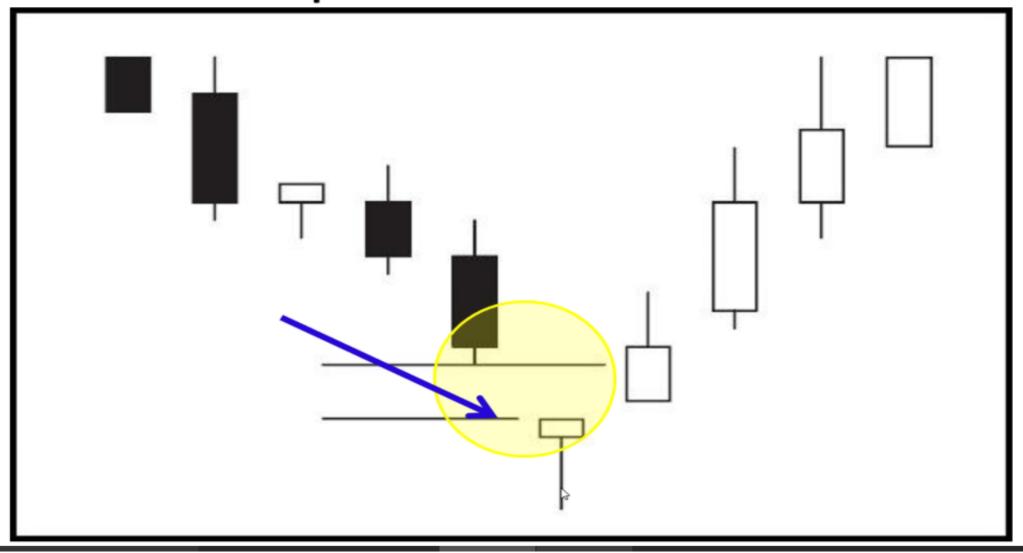
Gap down at Top



Gap Up at Top



Gap down at Bottom



ZSX17 - Soybeans - Daily Candlestick Chart



CTZ13 - Cotton #2 - Daily Candlestick Chart



ZWN17 - Wheat - Daily Candlestick Chart



ZCN14 - Corn - Daily Candlestick Chart



Signals

The Major Candlestick Signals

- Doji
- Bullish & Bearish Engulfing Signals
- Hammer
- Hanging Man
- Piercing Pattern
- Dark Cloud
- Bullish Harami
- Bearish Harami
- Morning & Evening Stars
- Kicker Signals
- Shooting Star
- Inverted Hammer



The Strongest Signals

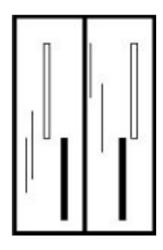
- 1. Your Best Friend
- 2. Left/Right Combo
- 3. Series of Doji's.
- 4. Candlestick signals followed by gap ups
- 5. Kicker Signal
- 6 Bullish Flutter Kicker
- 7. Steady Eddie Trends
- 8. Magnitude of a signal



What is the optimal criteria?

- 1. signals
- 2. Stochastics oversold
- 3. gap up from the Doji/signal
- 4. close above the T-line

Kicker

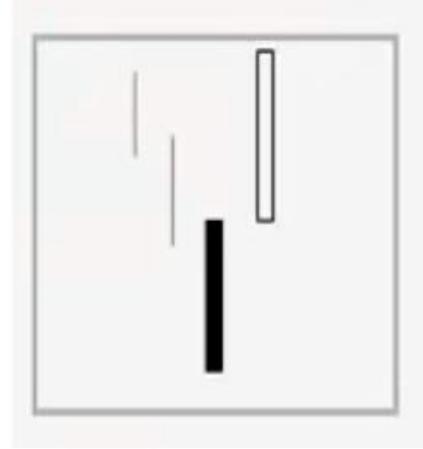


Kicker Signals Bearish and Bullish

Recognition: The first day's open and the second day's open are the same BUT the price movement is in opposite directions.

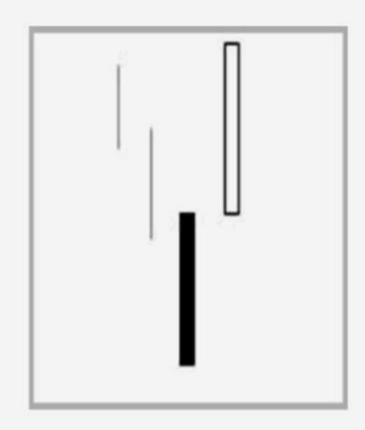
Pattern Psychology: The Kicker Signal demonstrates a dramatic change in investor sentiment. The longer the candles, the more dramatic the price reversal.

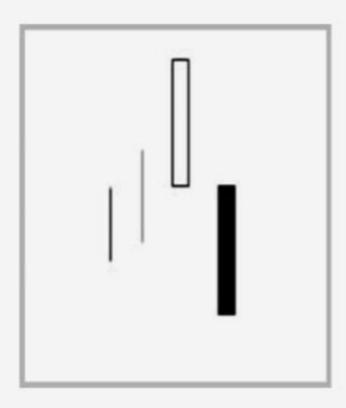
Bullish Kicker Signal



 Something has KICKED investor sentiment positive

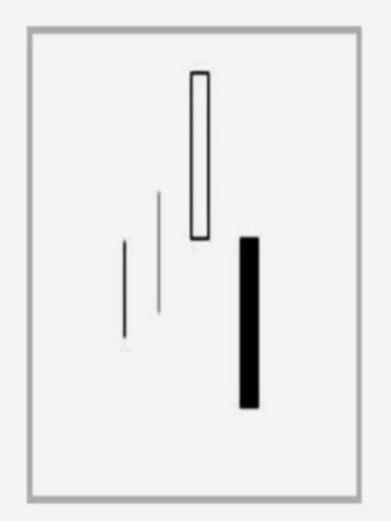
Bullish + Bearish Kicker Signals



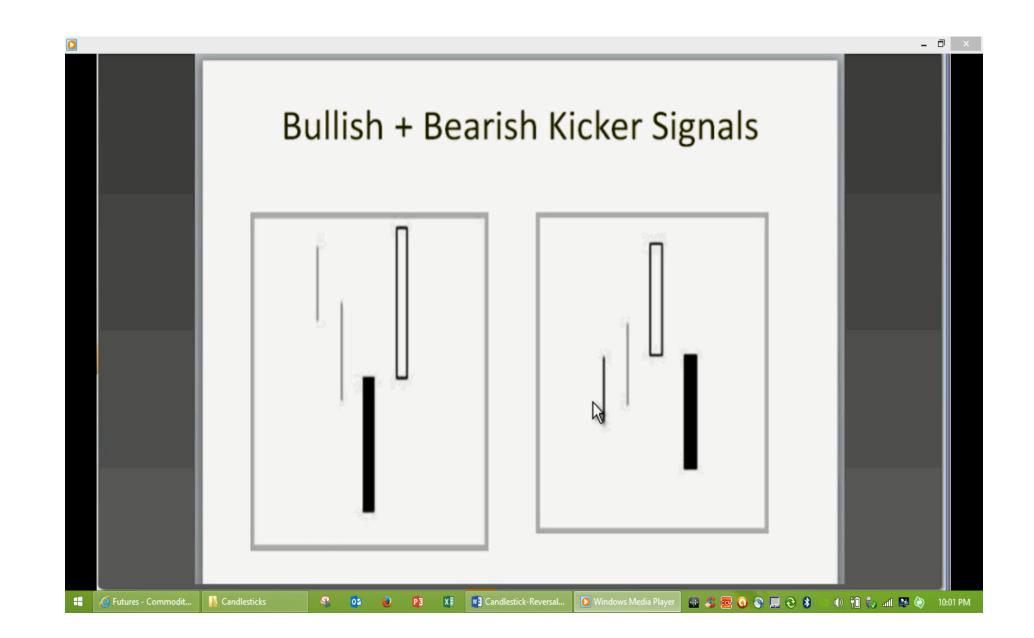


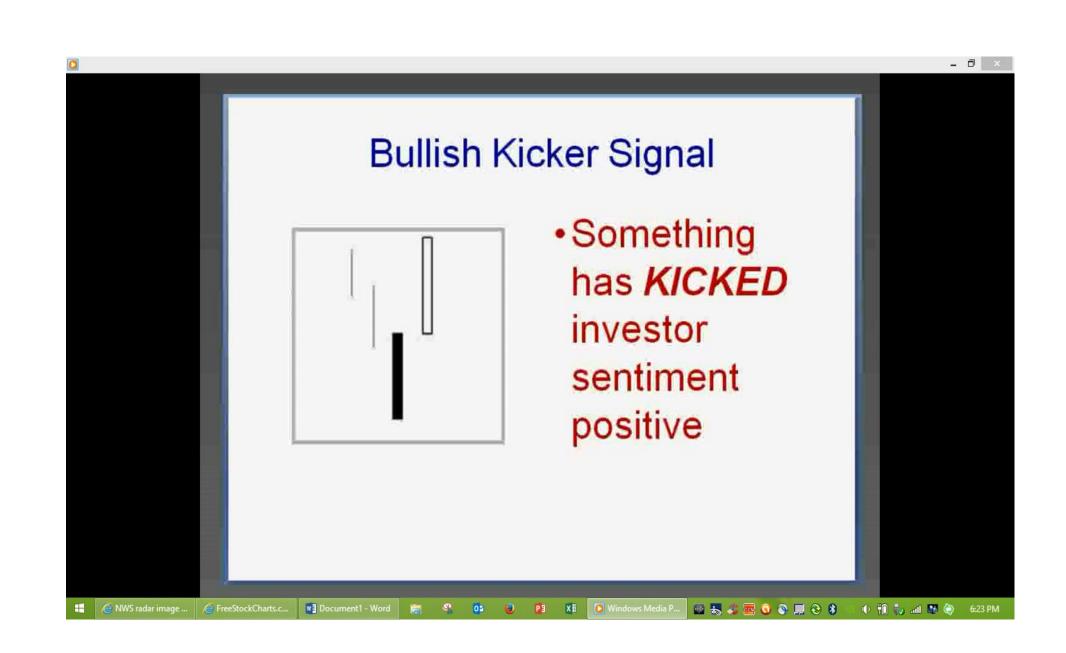


Bearish Kicker Signal



 Something has kicked investor sentiment negative and with great force





Left Right Combo Doji followed by an Engulfing



CTZ17 - Cotton #2 - Daily Candlestick Chart



Doji Sandwich

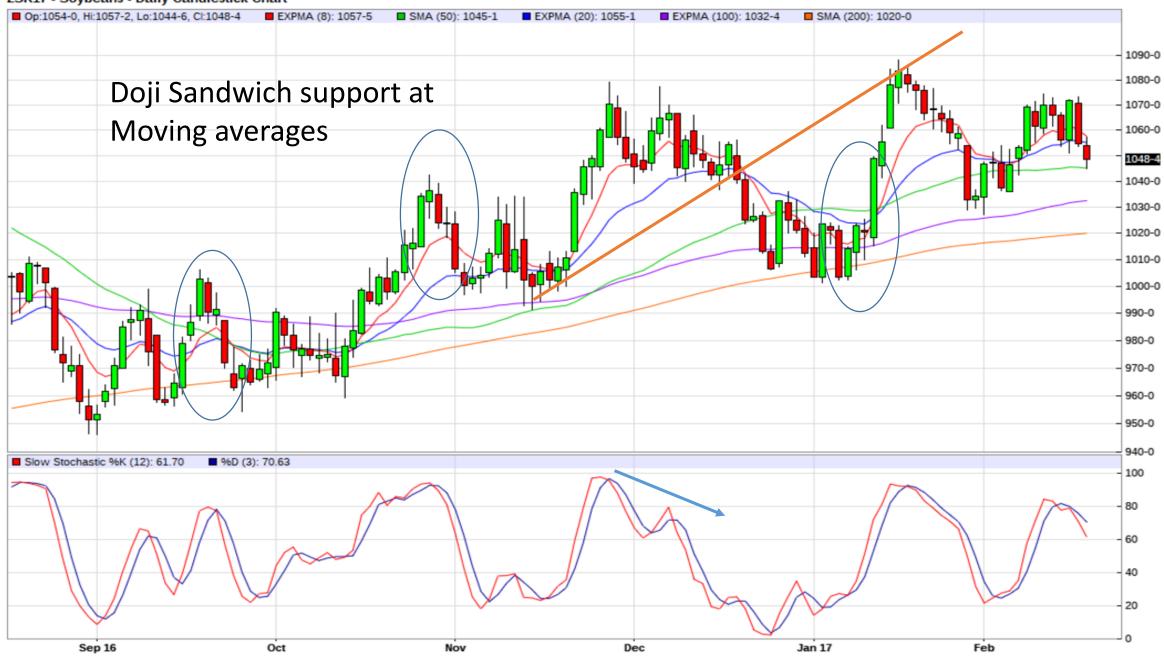
Big up day, Doji, followed by another big up day



ZCZ17 - Corn - Daily Candlestick Chart

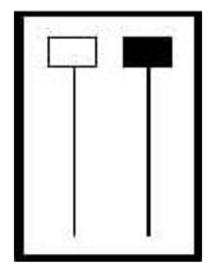


ZSK17 - Soybeans - Daily Candlestick Chart



Hammer

Hammer out a Bottom



HAMMERS and HANGING-MAN

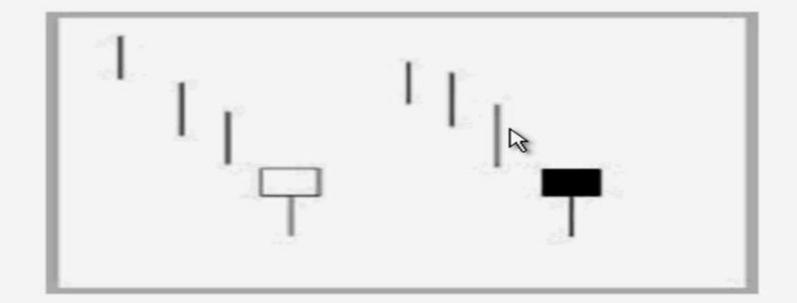
Recognition: The lower shadow (or tail) should be at least two times the length of the

body. The color of the body is not important although a black body has slightly more Bearish indications and a white body has slightly more Bullish indications.

Pattern Psychology: This pattern at the bottom of a down trend is called a Hammer. This pattern at the top of an uptrend is called a Hanging-Man

The Hammer Signal

One of the most visually compelling signals is the Hammer signal. The hammer signal is easily recognized by the lower shadow (the tail) protruding to the downside after an extended downtrend.







02













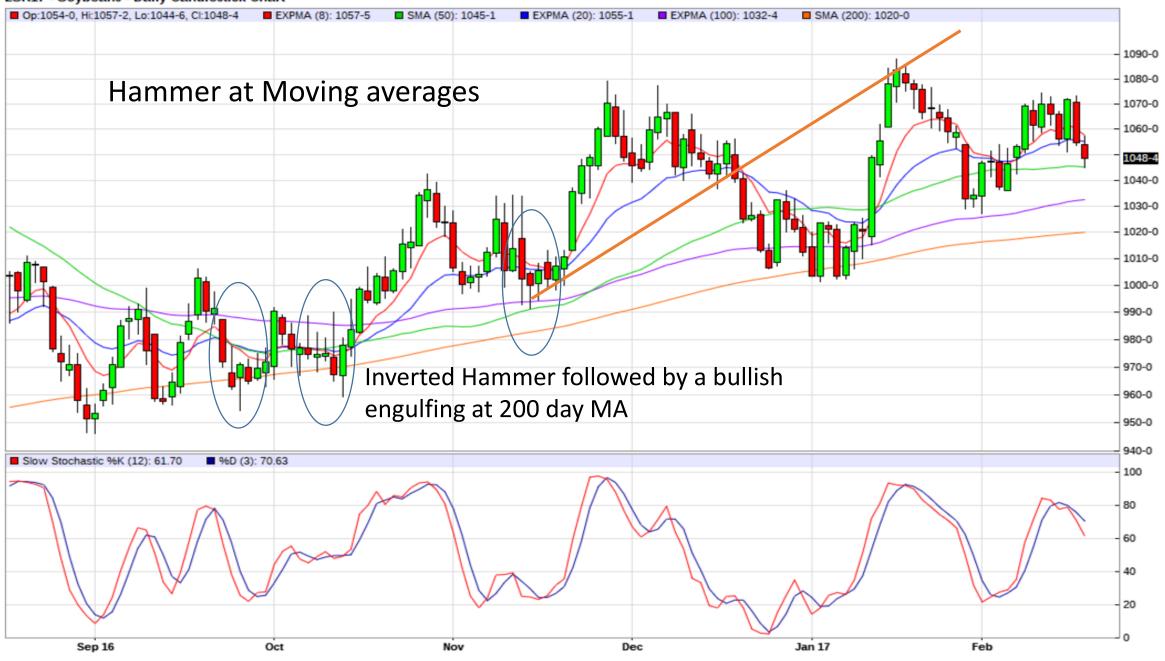




ZWN15 - Wheat - Daily Candlestick Chart



ZSK17 - Soybeans - Daily Candlestick Chart



DXH17 - U.S. Dollar Index - Daily Candlestick Chart Op:100.495, Hi:100.960, Lo:100.440, Cl:100.951 EXPMA (8): 100.745 ■ SMA (50): 101.361 EXPMA (20): 100.670 ■ EXPMA (100): 99.921 104.000 103.500 103.000 102.500 102.000 Hammer at Moving averages 101.500 100.951 100.500 100.000 99.500 99.000 98.500 98.000 97.500 97.000 96.500 96.000 95.500 95.000 94.500 94.000 ■ Slow Stochastic %K (12): 64.71 ■ %D (3): 74.93 100 80 40 20

Dec

Jan 17

Feb

Nov

Sep 16

Oct

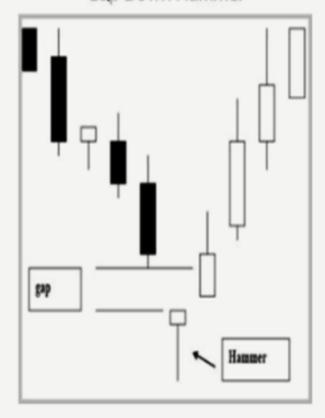


ZSX15 - Soybeans - Daily Candlestick Chart



Gap Down Hammer

Gap Down Hammer



- After an extended downtrend, a Hammer will indicate that the selling has stopped
- Confirmation Needed
 - Continued buying the next day
- The gap down open is the <u>alert</u> to watch for a candlestick "buy" signal.

Hangman

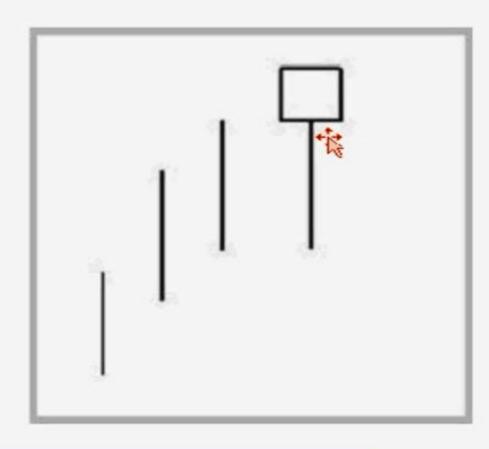


HAMMERS and HANGING-MAN

Recognition: The lower shadow (or tail) should be at least two times the length of the body. The color of the body is not important although a black body has slightly more Bearish indications and a white body has slightly more Bullish indications.

Pattern Psychology: This pattern at the bottom of a down trend is called a Hammer. This pattern at the top of an uptrend is called a Hanging-Man

Hanging Man



 Looks like a Man Hanging

 Lower shadow 2 times greater than the body

ZSX17 - Soybeans - Daily Candlestick Chart



ZCZ17 - Corn - Daily Candlestick Chart



GCJ17 - Gold - Daily Candlestick Chart

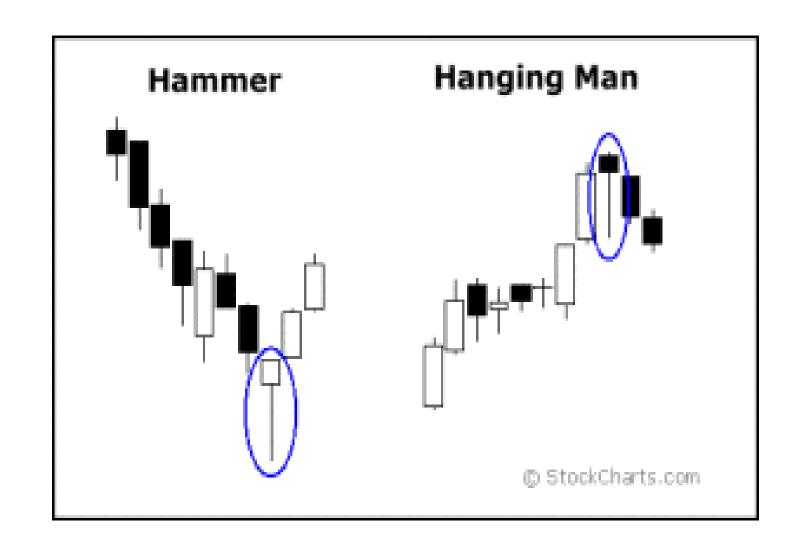


ZMK17 - Soybean Meal - Daily Candlestick Chart



LEJ17 - Live Cattle - Daily Candlestick Chart

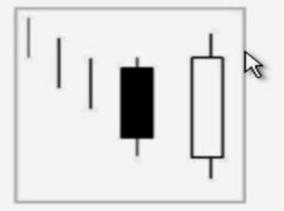




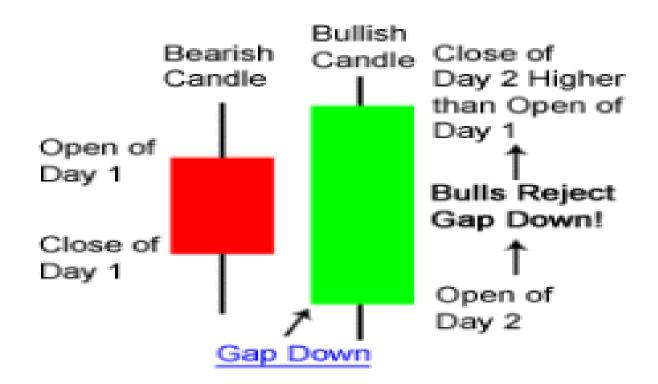
Bullish Engulfing

Bullish Engulfing Signal

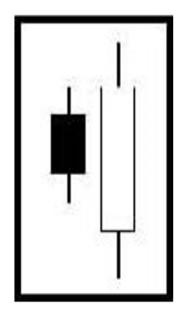
A Bullish Engulfing signal is one of the major signals. When the elements out of a Bullish Engulfing signal are broken down, an investor can clearly understand what was going on in investor sentiment to cause a reversal. 400 years of observations from Japanese Rice traders has recognized the Bullish Engulfing signal as a very high probability reversal signal.



Bullish Engulfing Pattern



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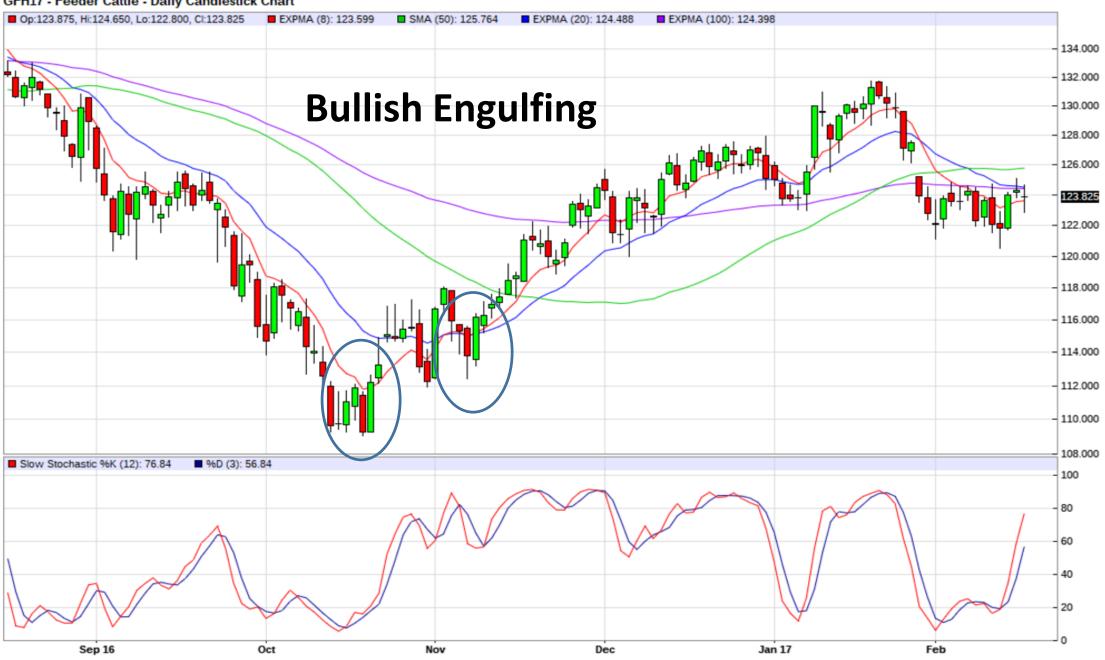
BULLISH ENGULFING Recognition: The body of the second day completely engulfs the body of the first day. Shadows are not a consideration.

Pattern Psychology: This pattern suggests the Bulls are stepping in with force, suggesting prices will move up.

CTZ17 - Cotton #2 - Daily Candlestick Chart



GFH17 - Feeder Cattle - Daily Candlestick Chart

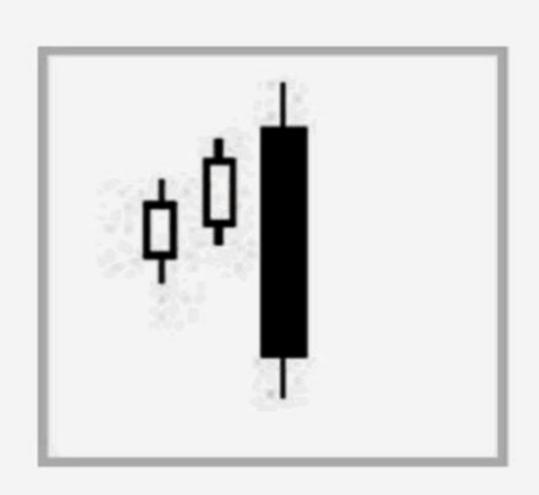


ZSK17 - Soybeans - Daily Candlestick Chart



Bearish Engulfing

Bearish Engulfing Signal



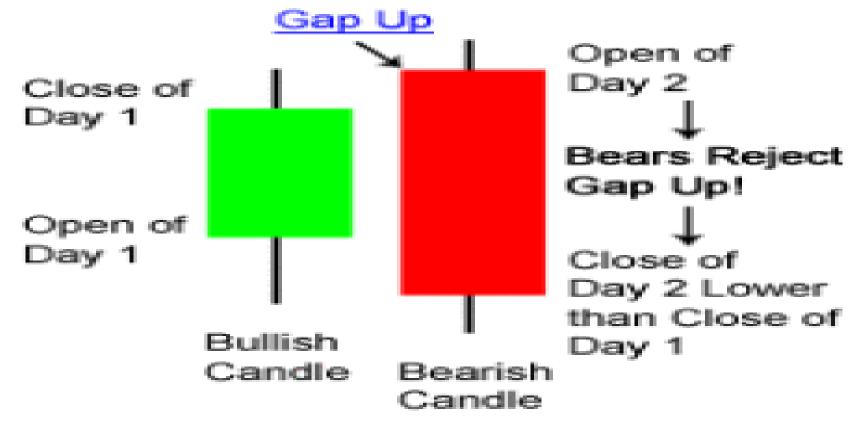
Completely

 Engulfs the
 previous days

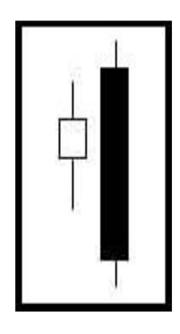
 Body



Bearish Engulfing Pattern



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BEARISH ENGULFING

Recognition: The body of the second day completely engulfs the body of the first day.

Shadows are not a consideration.

Pattern Psychology: This shows the Bears are overwhelming the Bulls, suggesting prices will move

ZOK17 - Oats - Daily Candlestick Chart Op:251-6, Hi:253-0, Lo:247-0, Cl:251-2 ■ EXPMA (8): 250-7 ■ SMA (50): 238-0 EXPMA (20): 247-7 EXPMA (100): 230-5 ■ SMA (200): 219-0 Bearish Engulfing 265-0 260-0 and Harami 255-0 251-2 **Evening Star** 245-0 240-0 **Morning Star** 235-0 230-0 225-0 Support at 50 DMA 220-0 215-0 Dojis at the 200 DMA 210-0 205-0 200-0 195-0 190-0 185-0 ■ Slow Stochastic %K (12): 49.17 ■ %D (3): 55.87 100 80 60 40 20

Dec

Nov

Jan 17

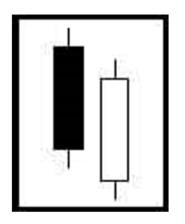
Feb

Sep 16

KCK17 - Coffee - Daily Candlestick Chart

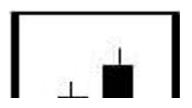


Piercing Line



PIERCING PATTERN

Recognition: A two candle pattern, the body of the first candle is black and the body of the second candle is white. The white day opens lower, under the trading range of the previous day. The price closes above the 50% level of the black body.



Pattern Psychology: After a strong downtrend, the atmosphere is Bearish but before the end of the day the Bulls step in and price closes near the high of the day.

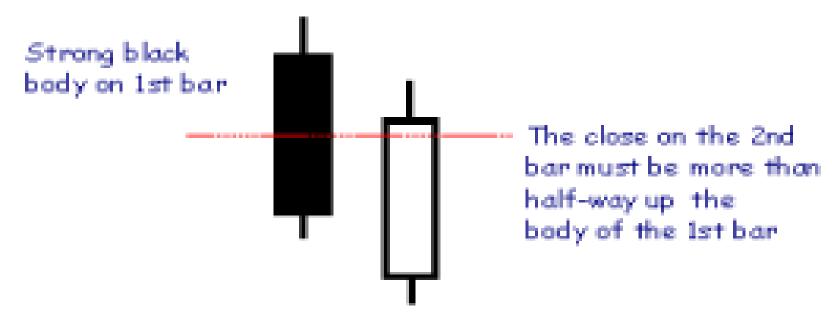
Piercing Line



 Price opens lower than any previous days trading

 Close more than half way up the previous body

Piercing Line - Reversal

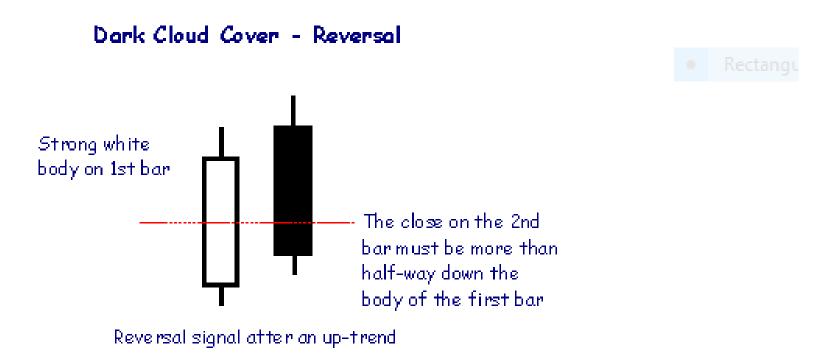


Reversal signal after a down-trend

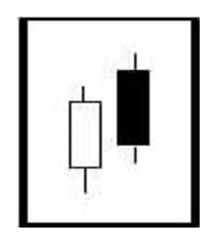


Dark Cloud

Dark Cloud



A Dark Cloud pattern encountered after an up-trend is a reversal signal, warning of "rainy days" ahead.



Pattern Psychology: After a strong downtrend, the atmosphere is Bearish but before the end of the day the Bulls step in and price closes near the high of the day.

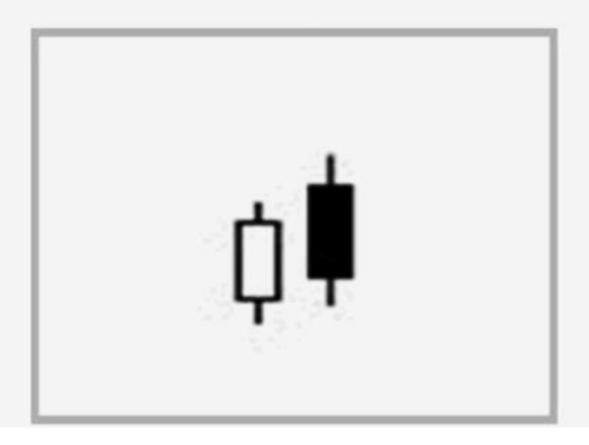
DARK CLOUD

Recognition: A two candle pattern, the body of the first candle is white and the body of the second candle is black. The black day opens higher, above the trading range of the previous day. The price closes below the 50% level of the white body.

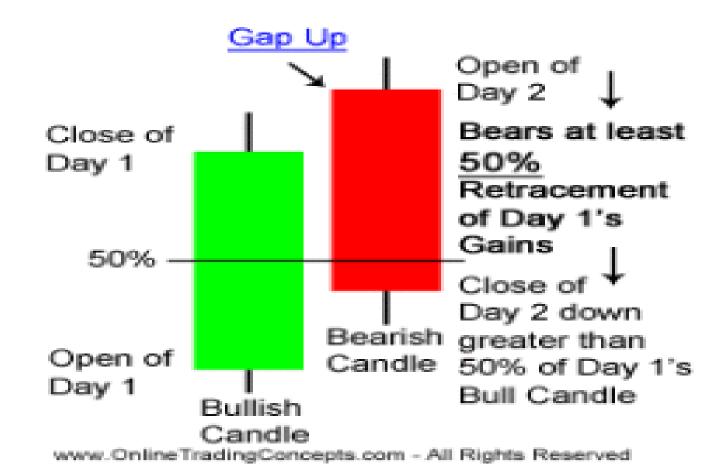
Pattern Psychology: After a strong uptrend, the atmosphere is Bullish but before the end of the day the Bears step in and price closes near the low of the day.

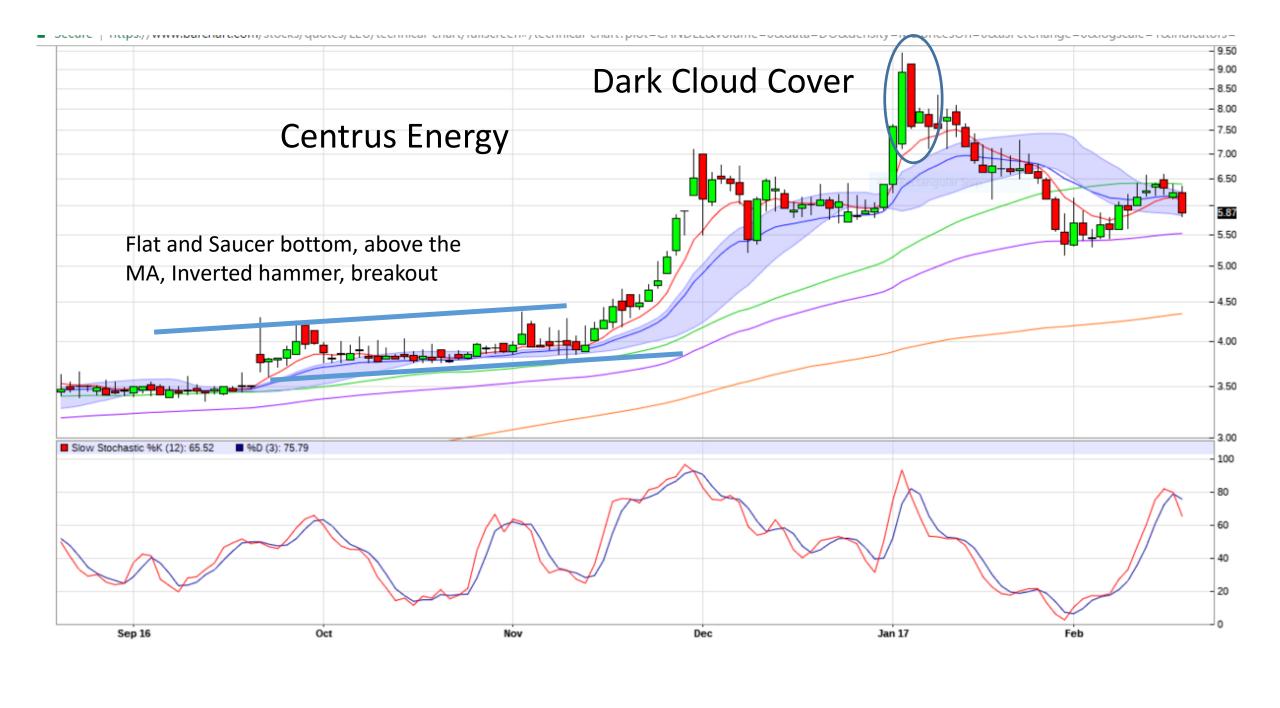
Dark Cloud Cover

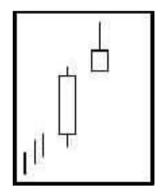
The Dark Cloud signal is a signal that tells an obvious reversal of a trend. It is named because it looks like a dark cloud over a nice bright sunny



Dark Cloud Cover







SHOOTING STAR

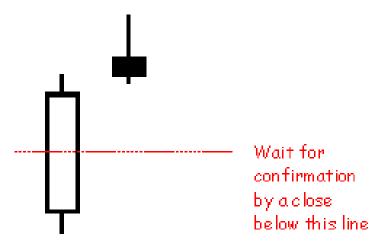
Recognition: One candle pattern appearing in an uptrend. The shadow (or tail) should be at least two times the length of the body. The color of the body is not important, although a black body has slightly more Bearish indications.

Pattern Psychology: After a strong uptrend the Bulls appear to still be in control with price opening higher, but by the end of the day the Bears step in and take the price back down to the lower end of the trading range.

Lower trading the next day reinforces the probability of a pullback.

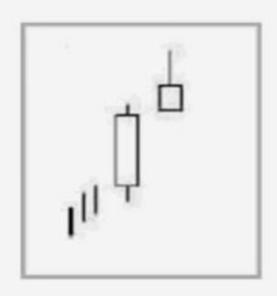


Shooting Star



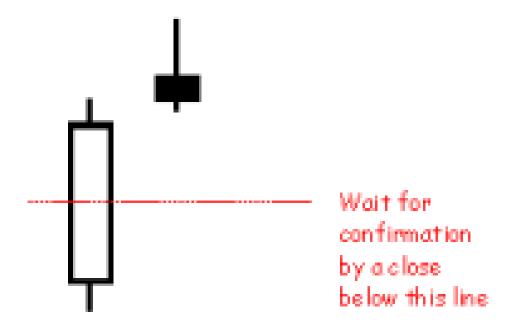
With a Shooting Star, the body on the second candlestick must be near the low — at the bottom end of the trading range — and the upper shadow must be taller. This is also a weaker reversal signal than the Morning or Evening Star.

The pattern requires confirmation from the next candlestick closing below half-way on the body of the first.



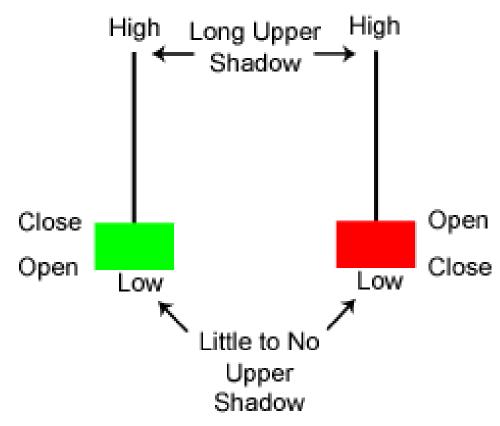
 A Shooting Star looks like a shooting star coming down out of the sky



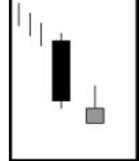


CLH17 - Crude Oil WTI - Daily Candlestick Chart



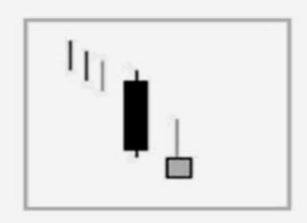


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Recognition: The upper shadow should be at least two times the length of the body. The real body is at the lower end of the trading range. There should be no lower shadow or a very small lower shadow.

Pattern Psychology: After a downtrend has been in effect, the atmosphere is Bearish. The price opens and trades lower but before the end of the day, The Bulls step in and take the price back up. A higher open or a white candle the next day reinforces buying.



The Inverted
 Hammer starts
 to concern the
 Bears



SBK17 - Sugar #11 - Daily Candlestick Chart

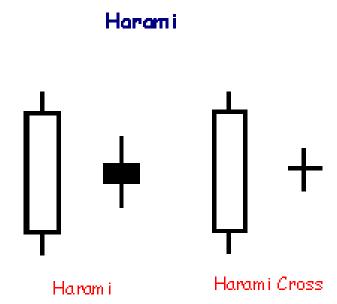


ZSK17 - Soybeans - Daily Candlestick Chart



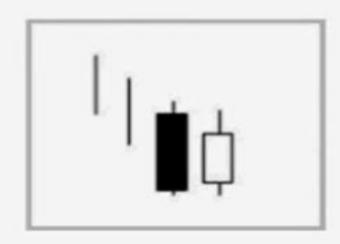
Bullish Harmi

Harami Candlestick



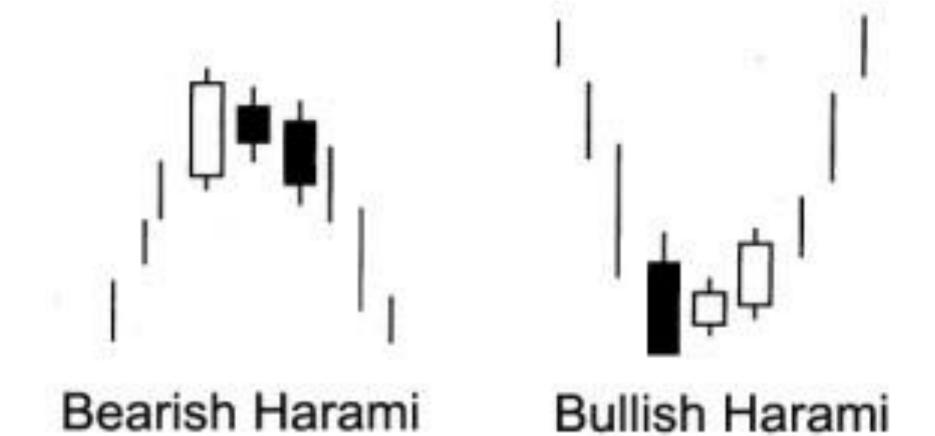
Harami formations, on the other hand, signal indecision. Harami candlesticks indicate loss of momentum and potential reversal after a strong trend. Harami means 'pregnant' which is quite descriptive. The second candlestick must be contained within the body of the first, though the shadows may protrude slightly.

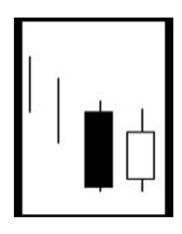
Bullish Harami



Tells us the selling has stopped





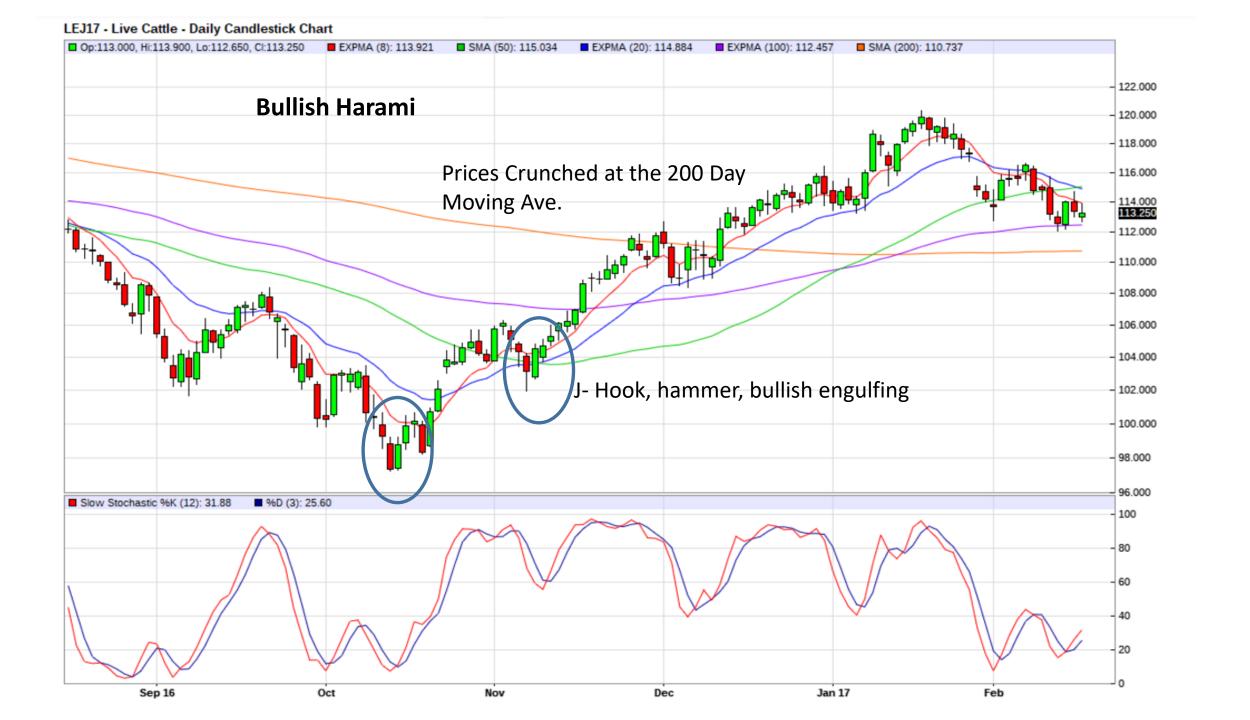


BULLISH HARAMI

Recognition: A two candle pattern forming in a down trending price pattern. The body of the first candle is the same color as the current trend and should be a long black candle.

The body of the second candle is white and opens and closes within the body of previous day's candle.

Pattern Psychology: After a strong downtrend the Bulls step in and open the price higher than the previous day's close. This concerns the Bears and the shorts start covering their <u>postions</u>. A strong day after that would convince everybody that the trend may be in a reversal.

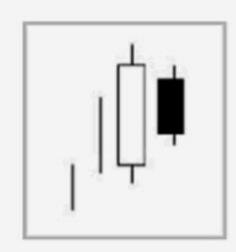


ZCZ17 - Corn - Daily Candlestick Chart



Bearish Harmi

Bearish Harami



 Tells us that the buying has stopped

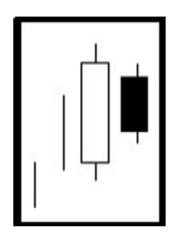


Gap Down after Bearish Harami

Gap Down after Bearish Harami



- After an extended uptrend, a Bearish Harami indicates the uptrend has stopped.
- Confirmation
 Net ded
 - More selling the following day



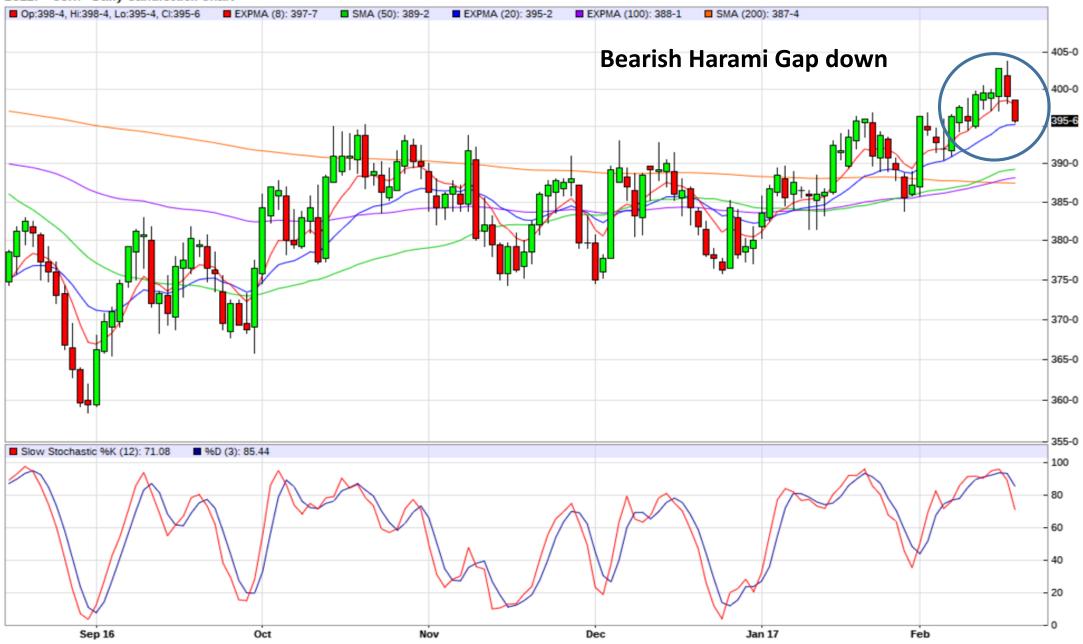
BEARISH HARAMI

Recognition: A two candle pattern forming in an uptrending price pattern. The body of the first candle is the same color as the current trend and should be a long white candle. The body of the second candle is black and opens and closes within the body of the previous day's candle.

Pattern Psychology: After a strong uptrend the Bears step in and open the price lower than the previous day's close. The price finishes lower for the day and the Bulls are concerned and begin taking their profits.

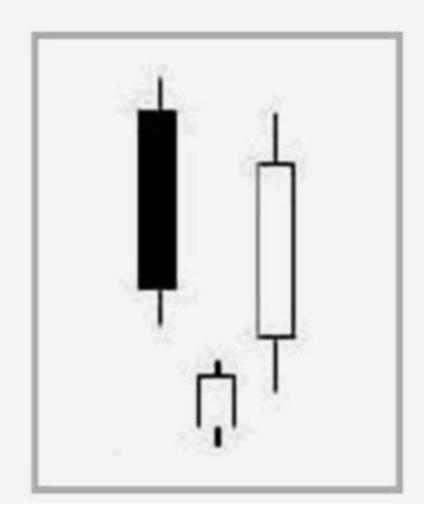


ZCZ17 - Corn - Daily Candlestick Chart



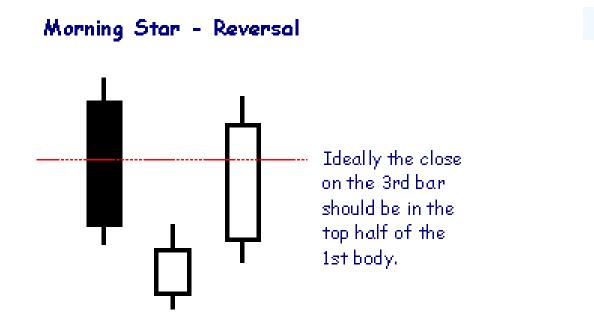
Morning Star

Morning Star Signal

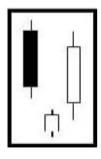


Tells you
 there is
 coming sunny
 day

Morning Star



The Morning Star pattern signals a bullish reversal after a down-trend. The first candlestick has a long black body. The second candlestick gaps down from the first (the bodies display a gap, but the shadows may still overlap) and is more bullish if hollow. The next candlestick has a long white body which closes in the top half of the body of the first candlestick.



MORNING STAR

Recognition: A three candle pattern at the bottom of a downtrend. The body of the first candle is black, confirming the current downtrend. The second candle is an indecisive formation. The third candle is white and should close at least halfway up the black candle.

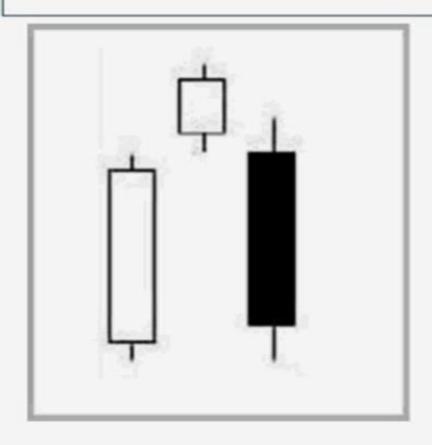
Pattern Psychology: After an apparant downtrend the Bulls step in and open the price higher than the previous day's close. The price finishes higher for the day and the Bears are concerned and begin covering their short

ZCZ17 - Corn - Daily Candlestick Chart





Evening Star



 Darkness is to come

















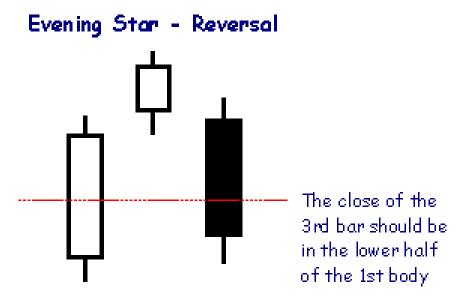




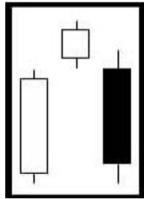




Evening Star



The Evening Star pattern is opposite to Morning Star and is a reversal signal at the end of an up-trend. The pattern is more bearish if the second candlestick is filled rather than hollow.



EVENING STAR

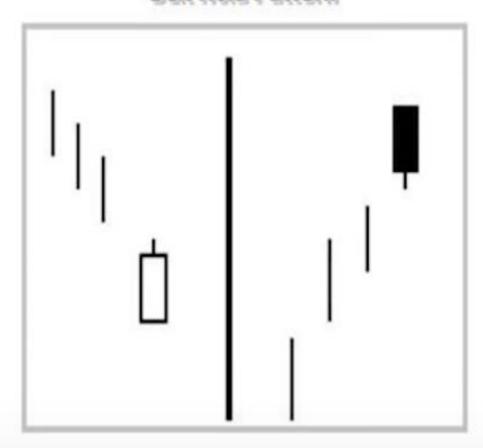
Recognition: A three candle pattern at the top of an uptrend. The body of the first candle is white, confirming the current uptrend. The second candle is an indecisive formation. The third candle is black and should close at least halfway down the white candle.

Pattern Psychology: After an apparant uptrend the Bears step in and open the price lower than the previous day's open. The price finishes lower for the day and the Bulls are concerned and begin selling to take their profits.



Belthold

Belt Hold Pattern



- Strong prevailing trend
- The candlestick body should be the opposite color of the prevailing trend
- Gap on the open, continuing the trend
- The open is the high or low of that trend
- The length of the body should be a long body.





Series of Dojis

SBK17 - Sugar #11 - Daily Candlestick Chart

