

Candle Stick and RSI Explained

Instructor: Paruj Ratanaworabhan

Materials Sourced from:

finnomena.com

TD Ameritrade

[youtube.com/c/TradingCampus](https://www.youtube.com/c/TradingCampus)

[youtube.com/Trading212](https://www.youtube.com/Trading212)

BTS

บริษัท บีทีเอส กรุ๊ป โอลดิ้งส์ จำกัด (มหาชน)

8.85

⌚ 27/04/2021

ผลตอบแทน 1 ปี

**-20.27 %****+ ติดตาม****กราฟแบบง่าย****กราฟเก็คบิค**1D 1W 1M 3M 6M YTD **1Y** 3Y 5Y 10Y MAX**-2.4000 ₵ (-21.24%)**

* ค่าที่แสดงไม่รวมมูลค่าเงินปันผล



เม.ย. 2020

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8.85

⌚ 27/04/2021

ผลตอบแทน 1 ปี



▲%

-20.27 %

+ ติดตาม

กราฟแบบง่าย

กราฟเทคนิค



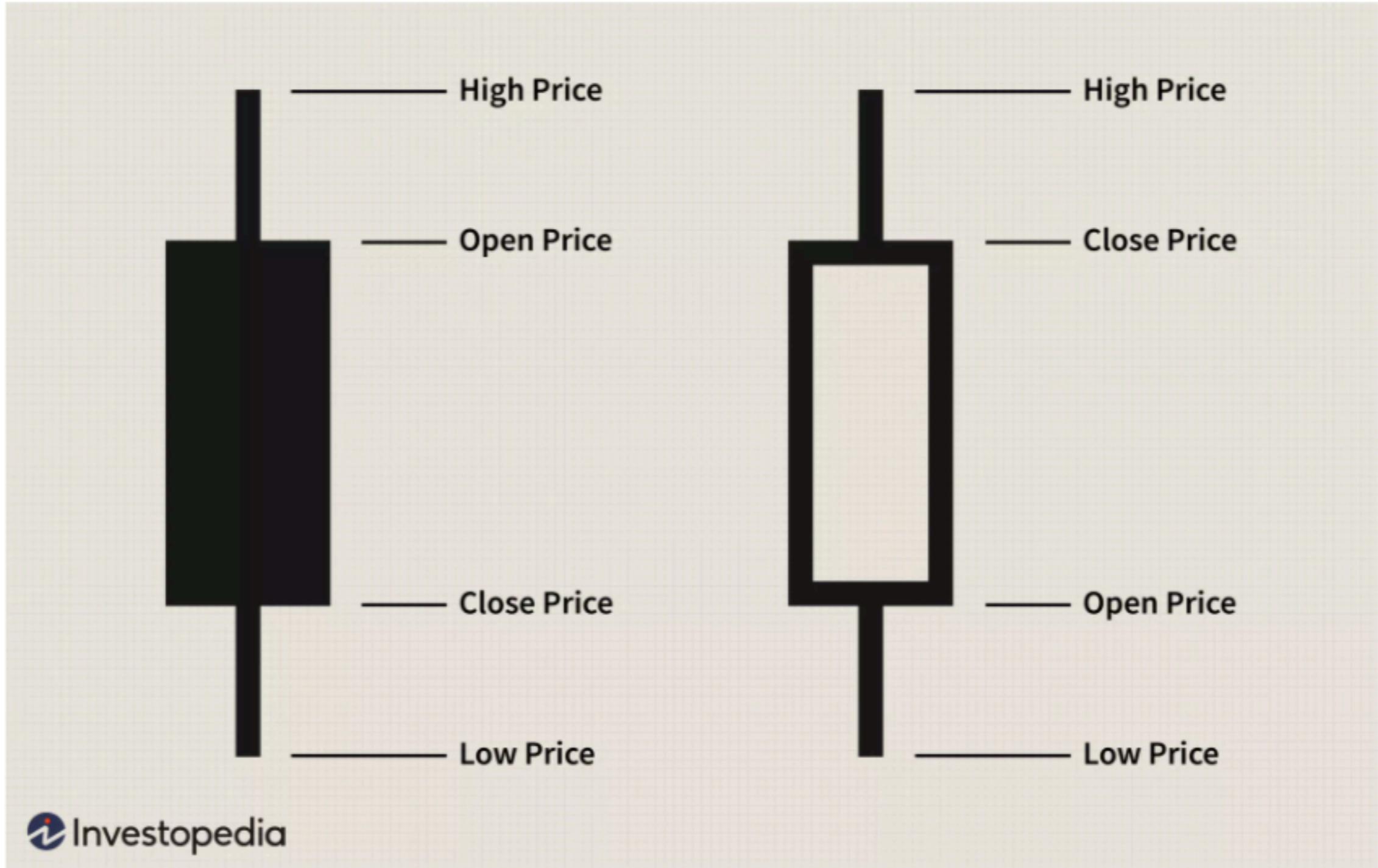


Image by Julie Bang © Investopedia 2019



Daily



4 Hours



1 Hour



15 Minutes

www.coindesk.com/price/bitcoin

Relative Strength Index (RSI)





Buy

Sell



OVERBOUGHT



Bullish Divergent Signal

**Second Low
(higher)**

First Low



Bearish Divergent Signal

First High

**Second High
(Lower)**

$$RSI = 100 - \frac{100}{1+RS}$$

$$\text{RELATIVE STRENGTH(RS)} = \frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$$

LETS SEE HOW TO CALCULATE 14 DAYS RSI

RSI Calculation

Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI
05-10-2015	1181.75							
06-10-2015	1154.99998	-27.15	0	27.15002				
07-10-2015	1133.19995	-21.4	0	21.40003				
08-10-2015	1132.15002	-1.04993	0	1.04993				
09-10-2015	1167.40002	35.25	35.25	0				
12-10-2015	1122.90002	-44.5	0	44.5				
13-10-2015	1099.40002	-23.5	0	23.5				
14-10-2015	1097.59998	-1.80004	0	1.80004				
15-10-2015	1097.34998	-0.25	0	0.25				
16-10-2015	1094.90002	-2.44996	0	2.44996				
19-10-2015	1111.94995	17.04993	17.04993	0				
20-10-2015	1125.94995	14	14	0				
21-10-2015	1138.40002	12.45007	12.45007	0				
22-10-2015	1138.40002	0	0	0				
23-10-2015	1149.90002	11.5	11.5	0	6.446429	8.721427	0.739148	42.50059
26-10-2015	1152.15002	2.25	2.25	0	6.146684	8.098468	0.758993	43.1493
27-10-2015	1149.40002	-2.75	0	2.75	5.707635	7.716435	0.739673	42.51792
28-10-2015	1153.19995	3.79993	3.79993	0	5.57137	7.165261	0.777553	43.74289
29-10-2015	1145.05005	-8.1499	0	8.1499	5.173415	7.235592	0.714995	41.69081
30-10-2015	1135.44995	-9.6001	0	9.6001	4.803886	7.404486	0.64878	39.34911
02-11-2015	1131.19995	-4.25	0	4.25	4.460751	7.179165	0.621347	38.32288
03-11-2015	1145.5	14.30005	14.30005	0	5.163558	6.666368	0.774568	43.64827
04-11-2015	1136.80005	-8.69995	0	8.69995	4.794732	6.811624	0.703904	41.31126
05-11-2015	1122.90002	-13.9	0	13.90003	4.452251	7.317938	0.608402	37.82651

$$RSI = 100 - \frac{100}{1+RS}$$

$$\text{RELATIVE STRENGTH(RS)} = \frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$$

D6		f(x)	=IF(C6>0,C6,0)						
A	B	C	D	E	F	G	H	I	
Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI	
05-10-2015	1181.75								
06-10-2015	1154.59998	-27.15	0	27.15002					
07-10-2015	1133.19995	-21.4	0	21.40003					
08-10-2015	1132.15002	-1.04993	0	1.04993					
09-10-2015	1167.40002	35.25	+5.25	0					
12-10-2015	1122.90002	-44.5	0	44.5					
13-10-2015	1099.40002	-23.5	0	23.5					
14-10-2015	1097.59998	-1.80004	0	1.80004					
15-10-2015	1097.34998	-0.25	0	0.25					
16-10-2015	1094.90002	-2.44996	0	2.44996					
19-10-2015	1111.94995	17.04993	17.04993	0					
20-10-2015	1125.94995	14	14	0					
21-10-2015	1138.40002	12.45007	12.45007	0					
22-10-2015	1138.40002	0	0	0					
23-10-2015	1149.90002	11.5	11.5	0	6.446429	8.721427	0.739148	42.50059	
26-10-2015	1152.15002	2.25	2.25	0	6.146684	8.098468	0.758993	43.1493	
27-10-2015	1149.40002	-2.75	0	2.75	5.707635	7.716435	0.739673	42.51792	
28-10-2015	1153.19995	3.79993	3.79993	0	5.57137	7.165261	0.777553	43.74289	
29-10-2015	1145.05005	-8.1499	0	8.1499	5.173415	7.235592	0.714995	41.69081	
30-10-2015	1135.44995	-9.6001	0	9.6001	4.803886	7.404486	0.64878	39.34911	
02-11-2015	1131.19995	-4.25	0	4.25	4.460751	7.179165	0.621347	38.32288	
03-11-2015	1145.5	14.30005	14.30005	0	5.163558	6.666368	0.774568	43.64827	
04-11-2015	1136.80005	-8.69995	0	8.69995	4.794732	6.811624	0.703904	41.31126	
05-11-2015	1122.90002	-13.9	0	13.90003	4.452251	7.317938	0.608402	37.82651	

$$RSI = 100 - \frac{100}{1+RS}$$

$$\text{RELATIVE STRENGTH(RS)} = \frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$$

E3		f x	=IF(C3<0,ABS(C3),0)						
A	B	C	D	E	F	G	H	I	
Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI	
05-10-2015	1181.75								
06-10-2015	1154.59998	-27.15		0 +7.15002					
07-10-2015	1133.19995	-21.4		0 21.40003					
08-10-2015	1132.15002	-1.04993		0 1.04993					$RSI = 100 - \frac{100}{1+RS}$
09-10-2015	1167.40002	35.25	35.25	0					
12-10-2015	1122.90002	-44.5		0 44.5					
13-10-2015	1099.40002	-23.5		0 23.5					$RELATIVE\ STRENGTH(RS) = \frac{AVERAGE\ GAINS}{AVERAGE\ LOSSES}$
14-10-2015	1097.59998	-1.80004		0 1.80004					
15-10-2015	1097.34998	-0.25		0 0.25					
16-10-2015	1094.90002	-2.44996		0 2.44996					
19-10-2015	1111.94995	17.04993	17.04993	0					
20-10-2015	1125.94995	14	14	0					
21-10-2015	1138.40002	12.45007	12.45007	0					
22-10-2015	1138.40002	0	0	0					
23-10-2015	1149.90002	11.5	11.5	0 6.446429	8.721427	0.739148	42.50059		
26-10-2015	1152.15002	2.25	2.25	0 6.146684	8.098468	0.758993	43.1493		
27-10-2015	1149.40002	-2.75	0 5.707635	2.75	7.716435	0.739673	42.51792		
28-10-2015	1153.19995	3.79993	3.79993	0 5.57137	7.165261	0.777553	43.74289		
29-10-2015	1145.05005	-8.1499		0 8.1499	5.173415	7.235592	0.714995	41.69081	
30-10-2015	1135.44995	-9.6001		0 9.6001	4.803886	7.404486	0.64878	39.34911	
02-11-2015	1131.19995	-4.25		0 4.25	4.460751	7.179165	0.621347	38.32288	
03-11-2015	1145.5	14.30005	14.30005	0 5.163558	6.666368	0.774568	43.64827		
04-11-2015	1136.80005	-8.69995		0 8.69995	4.794732	6.811624	0.703904	41.31126	
05-11-2015	1122.90002	-13.9		0 13.90003	4.452251	7.317938	0.608402	37.82651	

SUM

X ✓ f_x

=AVERAGE(D3:D16)

A	B	C	D	E	F	G	H	I
Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI
05-10-2015	1181.75							
06-10-2015	1154.59998	-27.15	0	27.15002				
07-10-2015	1133.19995	-21.4	0	21.40003				
08-10-2015	1132.15002	-1.04993	0	1.04993				
09-10-2015	1167.40002	35.25	35.25	0				
12-10-2015	1122.90002	-44.5	0	44.5				
13-10-2015	1099.40002	-23.5	0	23.5				
14-10-2015	1097.59998	-1.80004	0	1.80004				
15-10-2015	1097.34998	-0.25	0	0.25				
16-10-2015	1094.90002	-2.44996	0	2.44996				
19-10-2015	1111.94995	17.04993	17.04993	0				
20-10-2015	1125.94995	14	14	0				
21-10-2015	1138.40002	12.45007	12.45007	0				
22-10-2015	1138.40002	0	0	0				
23-10-2015	1149.90002	11.5	11.5	0	=AVERAGE(D3:D16)	0.739148	42.50059	
26-10-2015	1152.15002	2.25	+25	0	6.146684	8.098468	0.758993	43.1493
27-10-2015	1149.40002	-2.75	0	2.75	5.707635	7.716435	0.739673	42.51792
28-10-2015	1153.19995	3.79993	3.79993	0	5.57137	7.165261	0.777553	43.74289
29-10-2015	1145.05005	-8.1499	0	8.1499	5.173415	7.235592	0.714995	41.69081
30-10-2015	1135.44995	-9.6001	0	9.6001	4.803886	7.404486	0.64878	39.34911
02-11-2015	1131.19995	-4.25	0	4.25	4.460751	7.179165	0.621347	38.32288
03-11-2015	1145.5	14.30005	14.30005	0	5.163558	6.666368	0.774568	43.64827
04-11-2015	1136.80005	-8.69995	0	8.69995	4.794732	6.811624	0.703904	41.31126
05-11-2015	1122.90002	-13.9	0	13.90003	4.452251	7.317938	0.608402	37.82651

$$\text{RSI} = 100 - \frac{100}{1+RS}$$

RELATIVE STRENGTH(RS) = $\frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$



SUM

X ✓ f_x

=AVERAGE(E3:E16)

A	B	C	D	E	F	G	H	I
Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI
05-10-2015	1181.75							
06-10-2015	1154.59998	-27.15		0	27.15002			
07-10-2015	1133.19995	-21.4		0	21.40003			
08-10-2015	1132.15002	-1.04993		0	1.04993			
09-10-2015	1167.40002	35.25	35.25	0				
12-10-2015	1122.90002	-44.5		0	44.5			
13-10-2015	1099.40002	-23.5		0	23.5			
14-10-2015	1097.59998	-1.80004		0	1.80004			
15-10-2015	1097.34998	-0.25		0	0.25			
16-10-2015	1094.90002	-2.44996		0	2.44996			
19-10-2015	1111.94995	17.04993	17.04993	0				
20-10-2015	1125.94995	14	14	0				
21-10-2015	1138.40002	12.45007	12.45007	0				
22-10-2015	1138.40002	0	0	0				
23-10-2015	1149.90002	11.5	11.5	0	6.446429	=AVERAGE(E3:E16)	42.50059	
26-10-2015	1152.15002	2.25	2.25	0	6.146684	8.098468	0.758993	43.1493
27-10-2015	1149.40002	-2.75		0	2.75	5.707635	7.716435	0.739673
28-10-2015	1153.19995	3.79993	3.79993	0	5.57137	7.165261	0.777553	43.74289
29-10-2015	1145.05005	-8.1499		0	8.1499	5.173415	7.235592	0.714995
30-10-2015	1135.44995	-9.6001		0	9.6001	4.803886	7.404486	0.64878
02-11-2015	1131.19995	-4.25		0	4.25	4.460751	7.179165	0.621347
03-11-2015	1145.5	14.30005	14.30005	0	5.163558	6.666368	0.774568	43.64827
04-11-2015	1136.80005	-8.69995		0	8.69995	4.794732	6.811624	0.703904
05-11-2015	1122.90002	-13.9		0	13.90003	4.452251	7.317938	0.608402

$$\text{RSI} = 100 - \frac{100}{1+RS}$$

$$\text{RELATIVE STRENGTH(RS)} = \frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$$


=AVERAGE(E3:E16)

SUM

X ✓ f_x

=F16/G16

A	B	C	D	E	F	G	H	I
Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI
05-10-2015	1181.75							
06-10-2015	1154.59998	-27.15	0	27.15002				
07-10-2015	1133.19995	-21.4	0	21.40003				
08-10-2015	1132.15002	-1.04993	0	1.04993				
09-10-2015	1167.40002	35.25	35.25	0				
12-10-2015	1122.90002	-44.5	0	44.5				
13-10-2015	1099.40002	-23.5	0	23.5				
14-10-2015	1097.59998	-1.80004	0	1.80004				
15-10-2015	1097.34998	-0.25	0	0.25				
16-10-2015	1094.90002	-2.44996	0	2.44996				
19-10-2015	1111.94995	17.04993	17.04993	0				
20-10-2015	1125.94995	14	14	0				
21-10-2015	1138.40002	12.45007	12.45007	0				
22-10-2015	1138.40002	0	0	0				
23-10-2015	1149.90002	11.5	11.5	0	6.445429	8.721427	=F16/G16	42.50059
26-10-2015	1152.15002	2.25	2.25	0	6.607143	6.78214	0.974197	49.3465
27-10-2015	1149.40002	-2.75	0	2.75	6.607143	5.449995	1.212321	54.7986
28-10-2015	1153.19995	3.79993	3.79993	0	6.878566	5.375	1.279733	56.13522
29-10-2015	1145.05005	-8.1499	0	8.1499	4.360709	5.957136	0.732014	42.26376
30-10-2015	1135.44995	-9.6001	0	9.6001	4.360709	3.464286	1.258761	55.72795
02-11-2015	1131.19995	-4.25	0	4.25	4.360709	2.089286	2.087177	67.60795
03-11-2015	1145.5	14.30005	14.30005	0	5.382141	1.960711	2.744994	73.29769
04-11-2015	1136.80005	-8.69995	0	8.69995	5.382141	2.564279	2.09889	67.73039
05-11-2015	1122.90002	-13.9	0	13.90003	5.382141	3.382141	1.591341	61.40995

$$\text{RSI} = 100 - \frac{100}{1+RS}$$

RELATIVE STRENGTH(RS)= $\frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$

I16

fx

=IF(G16=0,100,100-(100/(1+H16)))

A	B	C	D	E	F	G	H	I
Date	Close	Change	Gain	Loss	Av Gain	Av Loss	RS	RSI
05-10-2015	1181.75							
06-10-2015	1154.59998	-27.15	0	27.15002				
07-10-2015	1133.19995	-21.4	0	21.40003				
08-10-2015	1132.15002	-1.04993	0	1.04993				
09-10-2015	1167.40002	35.25	35.25	0				
12-10-2015	1122.90002	-44.5	0	44.5				
13-10-2015	1099.40002	-23.5	0	23.5				
14-10-2015	1097.59998	-1.80004	0	1.80004				
15-10-2015	1097.34998	-0.25	0	0.25				
16-10-2015	1094.90002	-2.44996	0	2.44996				
19-10-2015	1111.94995	17.04993	17.04993	0				
20-10-2015	1125.94995	14	14	0				
21-10-2015	1138.40002	12.45007	12.45007	0				
22-10-2015	1138.40002	0	0	0				
23-10-2015	1149.90002	11.5	11.5	0	6.446429	8.7227	0.739148	42.50059
26-10-2015	1152.15002	2.25	2.25	0	6.607143	6.78214	0.974197	49.3465
27-10-2015	1149.40002	-2.75	0	2.75	6.607143	5.449995	1.212321	54.7986
28-10-2015	1153.19995	3.79993	3.79993	0	6.878566	5.375	1.279733	56.13522
29-10-2015	1145.05005	-8.1499	0	8.1499	4.360709	5.957136	0.732014	42.26376
30-10-2015	1135.44995	-9.6001	0	9.6001	4.360709	3.464286	1.258761	55.72795
02-11-2015	1131.19995	-4.25	0	4.25	4.360709	2.089286	2.087177	67.60795
03-11-2015	1145.5	14.30005	14.30005	0	5.382141	1.960711	2.744994	73.29769
04-11-2015	1136.80005	-8.69995	0	8.69995	5.382141	2.564279	2.09889	67.73039
05-11-2015	1122.90002	-13.9	0	13.90003	5.382141	3.382141	1.591341	61.40995

$$\text{RSI} = 100 - \frac{100}{1+RS}$$

RELATIVE STRENGTH(RS) = $\frac{\text{AVERAGE GAINS}}{\text{AVERAGE LOSSES}}$