

Date	Oil	Sensex	USD-INR	Gold		Jan-March 2018	Oil	Sensex	USD-INR	Gold
1/2/2018	60.37	33812.26	63.46	83245.29		AVERAGE	62.90508772	34244.43877	64.36482456	85511.14018
1/3/2018	61.61	33793.38	63.505	83548.73		MAX	65.92	36283.25	65.23	87739.5
1/4/2018	61.98	33969.64	63.4	83334.36		MIN	59.2	32596.54	63.34	83245.29
1/5/2018	61.49	34153.85	63.34	83462.84		MEDIAN	62.92	34142.15	64.28	85586.06
1/8/2018	61.73	34352.79	63.475	83674.91		STD DEV	1.756433199	957.2756976	0.6298950911	1028.383543
1/9/2018	62.92	34443.19	63.67	83495.93		VAR	3.085057581	916376.7611	0.3967678258	1057572.712
1/10/2018	63.6	34433.07	63.63	83944.34		SKEWNESS	-0.01043883536	0.6063689186	-0.08788485403	-0.4105697243
1/11/2018	63.81	34503.49	63.69	84228.65		COVAR		647.8809869	-0.2075359495	529.4142921
1/12/2018	64.22	34592.39	63.61	84417.64		CORREL		0.3922052412	-0.1909326956	0.2983291802
1/16/2018	63.82	34771.05	64.02	85426.41						
1/17/2018	63.92	35081.82	63.885	85296.25						
1/18/2018	63.96	35260.29	63.87	85045.97						
1/19/2018	63.38	35511.58	63.83	85149.77						
1/22/2018	63.66	35798.01	63.89	85084.82						
1/23/2018	64.45	36139.98	63.76	85064.24		April-June 2018	Oil	Sensex	USD-INR	Gold
1/24/2018	65.69	36161.64	63.66	86195.13		AVERAGE	68.07793651	34875.42873	67.01920635	87529.0681
1/25/2018	65.62	36050.44	63.515	86151.09		MAX	77.41	35739.16	68.84	89206.59
1/29/2018	65.71	36283.25	63.6	85386.53		MIN	62.03	33019.07	64.89	85674.58
1/30/2018	64.64	36033.73	63.69	85586.06		MEDIAN	67.91	35037.64	67.35	87639.37
1/31/2018	64.82	35965.02	63.55	85550.2		STD DEV	3.131480717	665.2879655	1.119865778	844.5956888
2/1/2018	65.92	35906.66	63.98	85641.82		VAR	9.80617148	442608.077	1.25409936	713341.8776
2/2/2018	65.5	35066.75	64.13	85285.1		SKEWNESS	0.5586295924	-0.9507058812	-0.5933114692	-0.2301685216
2/5/2018	64.18	34757.16	64.14	85420.39		COVAR		837.6702736	2.12600868	291.7537294
2/6/2018	63.48	34195.94	64.23	85474.2		CORREL		0.4085663122	0.6160247745	0.1120899497
2/7/2018	61.91	34082.71	64.28	85151.79						
2/8/2018	61.3	34413.16	64.3	84537.39						
2/9/2018	59.2	34005.76	64.375	84659.22						
2/12/2018	59.41	34300.47	64.28	85055.28						
2/14/2018	60.7	34155.95	64.1	85615.2						
2/15/2018	61.48	34297.47	63.9	86467.19		July-Sept 2018	Oil	Sensex	USD-INR	Gold
2/16/2018	61.89	34010.76	64.215	86777.76		AVERAGE	69.79677966	37278.46356	70.05428814	84996.70525
2/20/2018	61.91	33703.59	64.86	86812.22		MAX	74.19	38896.63	72.71	87318.02
2/21/2018	61.73	33844.86	64.805	86144.88		MIN	65.44	35264.41	68.35	82685.37
2/22/2018	62.72	33819.5	64.975	86356.02		MEDIAN	69.68	37494.4	69.82	84992.42
2/23/2018	63.52	34142.15	64.71	85931.63		STD DEV	2.200519876	922.2859446	1.583658706	1379.284694
2/26/2018	63.81	34445.75	64.77	86284.1		VAR	4.842287726	850611.3635	2.507974898	1902426.267
2/27/2018	62.94	34346.39	64.92	86006.37		SKEWNESS	0.3785885812	-0.2610325585	0.5831428575	0.1076761311
2/28/2018	61.43	34184.04	65.21	85852.96		COVAR		-1340.439892	0.1940156737	1832.449634
3/1/2018	60.98	34046.94	65.23	85297.98		CORREL		-0.6718626156	0.05663357087	0.6141533882
3/5/2018	62.49	33746.78	65.025	85982.78						

3/6/2018	62.54	33317.2	64.905	86647.49					
3/7/2018	61.09	33033.09	64.88	86258.11					
3/8/2018	60.13	33351.57	65.105	85980.58					
3/9/2018	62.02	33307.14	65.125	86050.27					
3/12/2018	61.35	33917.94	64.985	85781.34	Oct-Dec 2018	Oil	Sensex	USD-INR	Gold
3/13/2018	60.69	33856.78	64.855	85816.7	AVERAGE	59.54137931	35202.22897	72.19236207	88589.15828
3/14/2018	60.89	33835.74	64.84	85825.57	MAX	76.4	36526.14	74.34	90911.84
3/15/2018	61.16	33685.54	64.99	85606.65	MIN	44.48	33349.31	69.65	84857.12
3/16/2018	62.29	33176	64.99	85130.28	MEDIAN	56.825	35184.48	72.445	88520.24
3/19/2018	62.01	32923.12	65.22	85449.04	STD DEV	9.688112529	794.8731781	1.399048457	1441.434394
3/20/2018	63.37	32996.76	65.21	85478.5	VAR	93.85952438	631823.3693	1.957336586	2077733.111
3/21/2018	65.1	33136.18	65.18	86165.21	SKEWNESS	0.1978485271	-0.2893834508	-0.272045539	-0.3689748309
3/22/2018	64.25	33006.27	65.105	86560.89	COVAR		-4905.81894	12.04763691	5784.646664
3/23/2018	65.8	32596.54	64.99	87562.65	CORREL		-0.6482277761	0.9044469049	0.4214983895
3/26/2018	65.49	33066.41	64.825	87739.5					
3/27/2018	65.21	33174.39	64.945	87134.13					
3/28/2018	64.3	32968.68	65.16	86904.64					
4/2/2018	63.05	33255.36	65.13	86343.73					
4/3/2018	63.41	33370.63	65	86712.91					
4/4/2018	63.35	33019.07	65.045	87145.13					
4/5/2018	63.53	33596.8	64.89	86303.8					
4/6/2018	62.03	33626.97	64.93	86506.63					
4/9/2018	63.4	33788.54	64.955	86585.06					
4/10/2018	65.48	33880.25	64.95	87040.1					
4/11/2018	66.81	33940.44	65.26	88091.86					
4/12/2018	67.07	34101.13	65.29	87586.77					
4/13/2018	67.35	34192.65	65.255	87632.75					
4/16/2018	66.23	34305.43	65.47	88335.18					
4/17/2018	66.5	34395.06	65.68	88128.98					
4/18/2018	68.44	34331.68	65.72	88683.83					
4/19/2018	68.3	34427.29	65.87	88667.07					
4/20/2018	68.26	34415.58	66.21	88273.94					
4/23/2018	67.61	34450.77	66.53	88007.98					
4/24/2018	67.66	34616.64	66.41	88174.16					
4/25/2018	68	34501.27	66.92	88375.42					
4/26/2018	68.18	34713.6	66.805	88169.92					
4/27/2018	68.11	34969.7	66.62	88196.9					
4/30/2018	68.56	35160.36	66.46	87642.95					
5/2/2018	67.91	35176.42	66.69	86947.74					
5/3/2018	68.45	35103.14	66.67	87595.45					
5/4/2018	69.71	34915.38	66.82	87590.65					

5/7/2018	70.74	35208.14	67.14	87954.03					
5/8/2018	68.83	35216.32	67.13	87654.87					
5/9/2018	71.16	35319.35	67.35	88404.02					
5/10/2018	71.36	35246.27	67.245	88742.03					
5/11/2018	70.69	35535.79	67.36	89118.81					
5/14/2018	71.01	35556.71	67.56	89206.59					
5/15/2018	71.34	35543.94	68.08	88050.28					
5/16/2018	71.43	35387.88	67.775	87580.64					
5/17/2018	71.47	35149.12	67.765	87292.69					
5/18/2018	71.23	34848.3	67.99	87644.65					
5/21/2018	72.26	34616.13	68.115	87765.61					
5/22/2018	72.09	34651.24	68.02	88011.42					
5/23/2018	71.85	34344.91	68.37	88167.59					
5/24/2018	70.77	34663.11	68.34	89153.86					
5/25/2018	67.92	34924.87	67.73	88369.15					
5/29/2018	66.8	34949.24	67.84	87962.82					
5/30/2018	68.24	34906.11	67.44	87774.48					
5/31/2018	66.98	35322.38	67.43	88088.27					
6/1/2018	65.81	35227.26	66.995	86851.46					
6/4/2018	64.76	35011.89	67.07	86986.21					
6/5/2018	65.51	34903.21	67.1	86796.66					
6/6/2018	64.75	35178.88	66.84	87067.67					
6/7/2018	65.96	35463.08	67.42	87048.71					
6/8/2018	65.77	35443.67	67.53	87865.55					
6/11/2018	66.1	35483.47	67.47	87622.25					
6/12/2018	66.38	35692.52	67.48	87639.37					
6/13/2018	66.63	35739.16	67.645	87666.71					
6/14/2018	66.91	35599.82	67.69	88160.33					
6/15/2018	65.01	35622.14	68.06	87390.57					
6/18/2018	65.91	35548.26	68.04	87196.64					
6/19/2018	65.09	35286.74	68.31	87145.07					
6/20/2018	65.92	35547.33	68.06	86753.89					
6/21/2018	65.68	35432.39	67.945	86199.47					
6/22/2018	69.02	35689.6	67.87	86102.3					
6/25/2018	69.91	35470.35	68.115	86465.07					
6/26/2018	75.23	35490.04	68.37	85924.08					
6/27/2018	77.41	35217.11	68.64	86076.53					
6/28/2018	73.45	35037.64	68.84	86017.45					
6/29/2018	74.13	35423.48	68.46	85674.58					
7/2/2018	73.89	35264.41	68.72	85772.19					
7/3/2018	74.19	35378.6	68.55	85876.3					

7/5/2018	73.05	35574.55	68.88	86571.49					
7/6/2018	73.78	35657.86	68.805	86494.23					
7/9/2018	73.93	35934.72	68.66	86762.77					
7/10/2018	74.11	36239.62	68.755	86306.55					
7/11/2018	70.47	36265.93	68.73	86115.07					
7/12/2018	70.28	36548.41	68.52	85393.97					
7/13/2018	71.03	36541.63	68.5	85019.18					
7/16/2018	68.22	36323.77	68.55	85187.54					
7/17/2018	68.03	36519.96	68.43	84372.8					
7/18/2018	68.78	36373.44	68.625	84042.02					
7/19/2018	69.42	36351.23	69.02	84010.94					
7/20/2018	70.31	36496.37	68.74	84679.3					
7/23/2018	67.9	36718.6	68.845	84310.24					
7/24/2018	70.77	36825.1	68.948	84587.23					
7/25/2018	71.13	36858.23	68.73	84653.3					
7/26/2018	71.59	36984.64	68.66	84359.27					
7/27/2018	68.66	37336.85	68.605	84102.19					
7/30/2018	71.19	37494.4	68.605	84027.67					
7/31/2018	69.88	37606.58	68.46	83740.37					
8/1/2018	68.8	37521.62	68.35	83448.15					
8/2/2018	68.95	37165.16	68.625	83452.78					
8/3/2018	68.49	37556.16	68.545	83649.49					
8/6/2018	69.01	37691.89	68.83	83266.24					
8/7/2018	69.17	37665.8	68.63	83245.99					
8/8/2018	66.92	37887.56	68.66	83032.56					
8/9/2018	66.81	38024.37	68.76	83379.56					
8/10/2018	67.61	37869.23	68.89	83632.68					
8/13/2018	67.25	37644.9	70.02	83838.42					
8/14/2018	67.04	37852	69.96	83640.38					
8/16/2018	65.44	37663.56	70.09	82977.69					
8/17/2018	65.93	37947.88	70.1	82837.09					
8/20/2018	66.5	38278.75	69.82	82685.37					
8/21/2018	67.32	38285.75	69.86	83175.94					
8/23/2018	69.13	38336.76	70.105	83607.57					
8/24/2018	69.71	38251.8	69.97	83791.08					
8/27/2018	69.97	38694.11	70.165	84024.64					
8/28/2018	68.54	38896.63	70.1	85043.88					
8/29/2018	69.68	38722.93	70.535	84992.42					
8/30/2018	70.25	38690.1	70.745	84752.35					
8/31/2018	69.84	38645.07	71.005	85285.25					
9/4/2018	69.82	38157.92	71.585	85113					

9/5/2018	68.69	38018.31	71.755	85770.46					
9/6/2018	67.81	38242.81	71.95	86660.81					
9/7/2018	67.73	38389.82	71.79	85931.14					
9/10/2018	67.55	37922.17	72.455	86645.78					
9/11/2018	69.29	37413.13	72.64	86493.15					
9/12/2018	70.37	37717.96	72.16	86296.89					
9/14/2018	68.98	38090.64	71.88	86348.08					
9/17/2018	68.86	37585.51	72.54	87059.62					
9/18/2018	69.87	37290.67	72.71	87290.54					
9/19/2018	71.08	37121.22	72.36	87269.31					
9/21/2018	70.8	36841.6	72.24	86408.28					
9/24/2018	73.23	36305.02	72.67	87301.6					
9/25/2018	73.4	36652.06	72.685	87318.02					
9/26/2018	72.22	36542.27	72.6	86648.8					
9/27/2018	72.18	36324.17	72.57	86042.24					
9/28/2018	73.16	36227.14	72.51	86063.74					
10/1/2018	75.37	36526.14	72.925	86661.97					
10/3/2018	76.4	35975.63	73.345	87972.87					
10/4/2018	74.44	35169.16	73.63	88682.21					
10/5/2018	74.26	34376.99	73.77	88902.11					
10/8/2018	74.27	34474.38	74.065	87898.08					
10/9/2018	74.95	34299.47	74.34	88161.92					
10/10/2018	73.18	34760.89	74.25	88164.38					
10/11/2018	70.97	34001.15	74.05	89331.23					
10/12/2018	71.41	34733.58	73.61	89813.23					
10/15/2018	71.84	34865.1	73.77	90810.27					
10/16/2018	71.93	35162.48	73.465	90573.35					
10/17/2018	69.63	34779.58	73.6	90488.79					
10/19/2018	69.16	34315.63	73.375	90134.91					
10/22/2018	69.25	34134.38	73.56	89796.25					
10/23/2018	66.49	33847.23	73.55	90911.84					
10/24/2018	66.56	34033.96	73.23	90088.54					
10/25/2018	67.25	33690.09	73.23	90140.69					
10/26/2018	67.58	33349.31	73.46	90524.47					
10/29/2018	67	34067.4	73.4	90445.31					
10/30/2018	66.18	33891.13	73.68	90302.77					
10/31/2018	65.31	34442.05	73.96	89839.46					
11/1/2018	63.67	34431.97	73.455	90535.67					
11/2/2018	63.12	35011.65	72.44	89322.61					
11/5/2018	63.12	34950.92	73.08	90102.11					
11/6/2018	62.16	34991.91	72.955	89980.68					

11/7/2018	61.69	35237.68	72.45	89860.14					
11/9/2018	60.19	35158.55	72.48	87802.26					
11/12/2018	59.85	34812.99	72.86	87918.51					
11/13/2018	55.63	35144.49	72.615	87344.56					
11/14/2018	56.16	35141.99	72.31	86999.48					
11/15/2018	56.45	35260.54	71.915	87228.95					
11/16/2018	56.49	35457.16	71.98	87823.3					
11/19/2018	57.16	35774.88	71.61	87463.48					
11/20/2018	53.39	35474.51	71.43	87426.14					
11/21/2018	54.41	35199.8	71.305	87647.73					
11/26/2018	51.46	35354.08	70.82	86635.05					
11/27/2018	51.31	35513.14	70.785	86431.95					
11/28/2018	50.06	35716.95	70.64	85703.98					
11/29/2018	51.46	36170.41	69.78	85635.16					
11/30/2018	50.78	36194.3	69.65	84857.12					
12/3/2018	52.98	36241	70.44	86579.27					
12/4/2018	53.21	36134.31	70.53	87495.4					
12/5/2018	52.64	35884.41	70.56	87174.19					
12/6/2018	51.54	35312.13	70.85	88026.89					
12/7/2018	52.76	35673.25	70.86	87985.2					
12/10/2018	51.07	34959.72	72.52	88911.74					
12/11/2018	51.65	35150.01	72.29	89479.45					
12/12/2018	51.04	35779.07	71.84	89648.84					
12/13/2018	52.69	35929.64	71.53	89086.53					
12/14/2018	51.26	35962.93	71.92	88778.73					
12/17/2018	49.8	36270.07	71.61	88877.28					
12/18/2018	46.12	36347.08	70.62	88280.08					
12/19/2018	47.96	36484.33	70.278	88358.27					
12/20/2018	45.64	36431.67	69.98	88018.73					
12/21/2018	45.38	35742.07	70.14	88064.2					
12/26/2018	46.04	35649.94	70.07	88243.48					
12/27/2018	44.48	35807.28	70.361	89199.03					
12/28/2018	45.15	36076.72	69.933	89600.34					
AVERAGE	65.17261603	35401.87194	68.40238397	86672.75557					
MAX	77.41	38896.63	74.34	90911.84					
MIN	44.48	32596.54	63.34	82685.37					
MEDIAN	66.38	35237.68	68.43	86647.49					
STD DEV	6.618304669	1408.229742	3.189527604	1879.959121					
VAR	43.80195669	1983111.006	10.17308634	3534246.295					
SKEWNESS	-1.103369437	0.4881119189	0.1238203163	0.02348075565					

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