Assignment - Stock Market Analysis
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(Roll Number - DDS1960097)

Dates on which you should buy stocks and which stock:

Date	Close_Price	Signal	Stock
2015-05-18	2221.95	Buy	Bajaj
2015-10-19	2459.75	Buy	Bajaj
2015-12-18	2481.95	Buy	Bajaj
2016-04-05	2396.45	Buy	Bajaj
2017-01-18	2704.3	Buy	Bajaj
2017-05-03	2923.6	Buy	Bajaj
2017-08-07	2890	Buy	Bajaj
2018-01-03	3247.45	Buy	Bajaj
2018-02-01	3409.5	Buy	Bajaj
2018-05-14	2834.7	Buy	Bajaj
2018-06-25	2799.6	Buy	Bajaj
2015-05-19	18275.85	Buy	Eicher
2016-01-12	17048.95	Buy	Eicher
2016-07-13	19526.3	Buy	Eicher
2017-01-17	22285.4	Buy	Eicher
2017-07-31	30040.6	Buy	Eicher
2018-03-22	28008.6	Buy	Eicher
2015-06-02	2607.85	Buy	Hero
2015-10-20	2605.05	Buy	Hero
2016-03-01	2667	Buy	Hero
2016-05-31	3099.15	Buy	Hero
2017-02-02	3226	Buy	Hero
2017-05-08	3393.85	Buy	Hero
2017-08-07	3953.6	Buy	Hero
2018-01-08	3790.35	Buy	Hero
2018-04-06	3782.4	Buy	Hero
2015-08-19	1175.05	Buy	Infosys
2015-10-05	1180.5	Buy	Infosys
2016-01-12	1050.05	Buy	Infosys
2016-12-23	989.3	Buy	Infosys
2017-03-02	1020.65	Buy	Infosys
2017-06-06	979.45	Buy	Infosys
2017-07-25	994.15	Buy	Infosys
2017-10-25	935.4	Buy	Infosys
2018-05-07	1183.35	Buy	Infosys

Date	Close_Price	Signal	Stock
2015-06-01	2616.4	Buy	TCS
2015-07-15	2546.25	Buy	TCS
2015-08-18	2734.6	Buy	TCS
2016-03-21	2443.65	Buy	TCS
2016-08-09	2650.55	Buy	TCS
2017-01-02	2359.05	Buy	TCS
2017-05-26	2579.3	Buy	TCS
2017-08-04	2522.75	Buy	TCS
2017-10-16	2585.1	Buy	TCS
2018-01-16	2850.85	Buy	TCS
2018-04-20	3406.4	Buy	TCS
2015-06-26	245.1	Buy	TVS
2015-10-07	241.3	Buy	TVS
2016-02-15	285.05	Buy	TVS
2016-03-23	309.3	Buy	TVS
2016-07-08	297.5	Buy	TVS
2016-08-17	313.1	Buy	TVS
2017-01-09	384.35	Buy	TVS
2018-04-24	663.9	Buy	TVS

Dates on which you should sell stocks and which stock:

Date	Close_Price	Signal	Stock
2015-08-25	2204.65	Sell	Bajaj
2015-12-11	2411.9	Sell	Bajaj
2016-01-19	2266.6	Sell	Bajaj
2016-10-14	2804.8	Sell	Bajaj
2017-04-21	2823.9	Sell	Bajaj
2017-06-14	2831.1	Sell	Bajaj
2017-12-28	3301.45	Sell	Bajaj
2018-01-31	3338.8	Sell	Bajaj
2018-02-06	3138.2	Sell	Bajaj
2018-05-30	2763.1	Sell	Bajaj
2015-03-31	15890.2	Sell	Eicher
2015-08-24	18571.75	Sell	Eicher
2016-05-27	18751.3	Sell	Eicher
2016-11-15	20284.35	Sell	Eicher
2017-07-11	28125.1	Sell	Eicher
2017-10-16	31736.2	Sell	Eicher
2018-06-07	29667.2	Sell	Eicher

Date	Close_Price	Signal	Stock
2015-08-31	2397.35	Sell	Hero
2016-01-15	2425.35	Sell	Hero
2016-05-24	2893.3	Sell	Hero
2016-10-24	3334.3	Sell	Hero
2017-04-25	3305.7	Sell	Hero
2017-07-31	3654.1	Sell	Hero
2017-10-04	3794	Sell	Hero
2018-02-07	3564.3	Sell	Hero
2018-05-23	3482.15	Sell	Hero
2015-04-01	2172.25	Sell	Infosys
2015-09-30	1160.45	Sell	Infosys
2015-11-23	1053.5	Sell	Infosys
2016-06-28	1161.05	Sell	Infosys
2017-01-27	942.15	Sell	Infosys
2017-04-19	918.8	Sell	Infosys
2017-07-03	951.4	Sell	Infosys
2017-08-30	926.65	Sell	Infosys
2018-04-18	1125.45	Sell	Infosys
2015-04-08	2644.35	Sell	TCS
2015-07-14	2499.5	Sell	TCS
2015-07-22	2528.1	Sell	TCS
2015-09-21	2550.7	Sell	TCS
2016-07-08	2425.5	Sell	TCS
2016-09-12	2359.1	Sell	TCS
2017-04-19	2301.75	Sell	TCS
2017-07-05	2357.75	Sell	TCS
2017-09-20	2492.4	Sell	TCS
2017-12-20	2588	Sell	TCS
2018-03-23	2816.45	Sell	TCS
2018-06-06	1727.25	Sell	TCS
2015-08-13	225.55	Sell	TVS
2016-01-05	286.95	Sell	TVS
2016-02-25	267.6	Sell	TVS
2016-05-20	296.95	Sell	TVS
2016-08-16	298.8	Sell	TVS
2016-11-29	358.6	Sell	TVS
2018-01-29	719.7	Sell	TVS
2018-05-18	572.15	Sell	TVS

Most Active Stock:

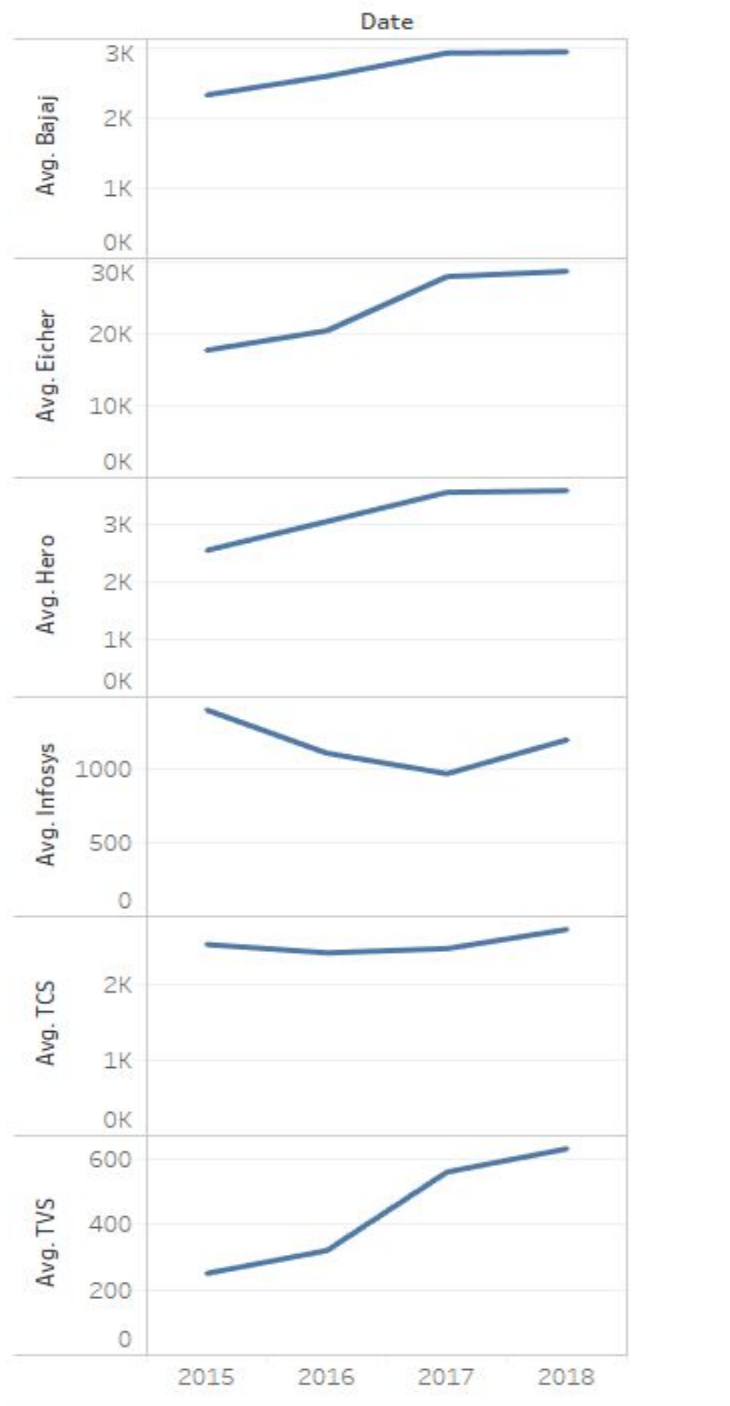| Stock	Action (Buy/Sell)
Bajaj	21
Eicher	7
Hero	9
Infosys	9
TCS	12
TVS	8

From this result you can see Bajaj is the most active stock where most action (Buy/Sell) are required

Spread of each stock:

Bajaj	Eicher	Hero	Infosys	TCS	TVS
1460.10	18465.80	1767.50	1393.50	1883.60	571.75

As you can see from results TCS has the most spread
And TVS has the least spread.

Year wise average trend of each stock:

Summary:

From the results obtained we can draw following inferences:
- TVS is the most stable stock where very few actions were required and spread is also the least.
- TCS could be a very profitable stock as you can see spread is high so we sell could be bought as lowest and sold at the highest the profit would be maximum and the number of actions required are also not that high.