**SUMMARY**

I have included comments in the code and tried to keep it as user friendly as possible. If the user were to encounter any bug(s), I’d be grateful if they could report it to me.

Trading Logic (entry and exit rules, profit/loss booking logic)-

Open a long position when ADX is greater than 25 and RSI is greater than 66.6. Close the long position when ADX is lesser than 25 and RSI is lesser than 33.3. One more condition to close the long position is that if the price drops by more than 10 bps from the recent local maxima (trailing stop loss)

Open a short position when ADX is greater than 25 and RSI is lesser than 33.3. Close the short position when ADX is greater than 25 and RSI is greater than 66.6. One more condition to close the short position is that if the price rises by more than 10 bps from the recent local minima (trailing stop loss).

Note- If any position is open at 3:29:00 PM, the position is immediately closed in the next interval (i.e. in the next 2 seconds).

Win/Loss Ratio= **0.71**

Total number of buy signals= **315**

Total number of sell signals= **320**

Simply holding a long position with 1 lot worth of stocks would have yielded **47738.5 Rs** at the end of the backtesting period i.e. 1/29/2019 3:30:00 PM.

The algo yielded **106875.5 Rs** (**123.88% more than the market**) at the end of the back-testing period for 1 lot.

As a side note, I’d like to mention that in addition to the strategy discussed

above, I’ve also coded a strategy using directional indicators (+DI and –DI) and RSI and ADX. This strategy was giving phenomenal (kinda absurd) returns

something like 828% higher than the market. I’ll recheck the algo.