

r/WallStreetBets Trading Assistant

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Summary

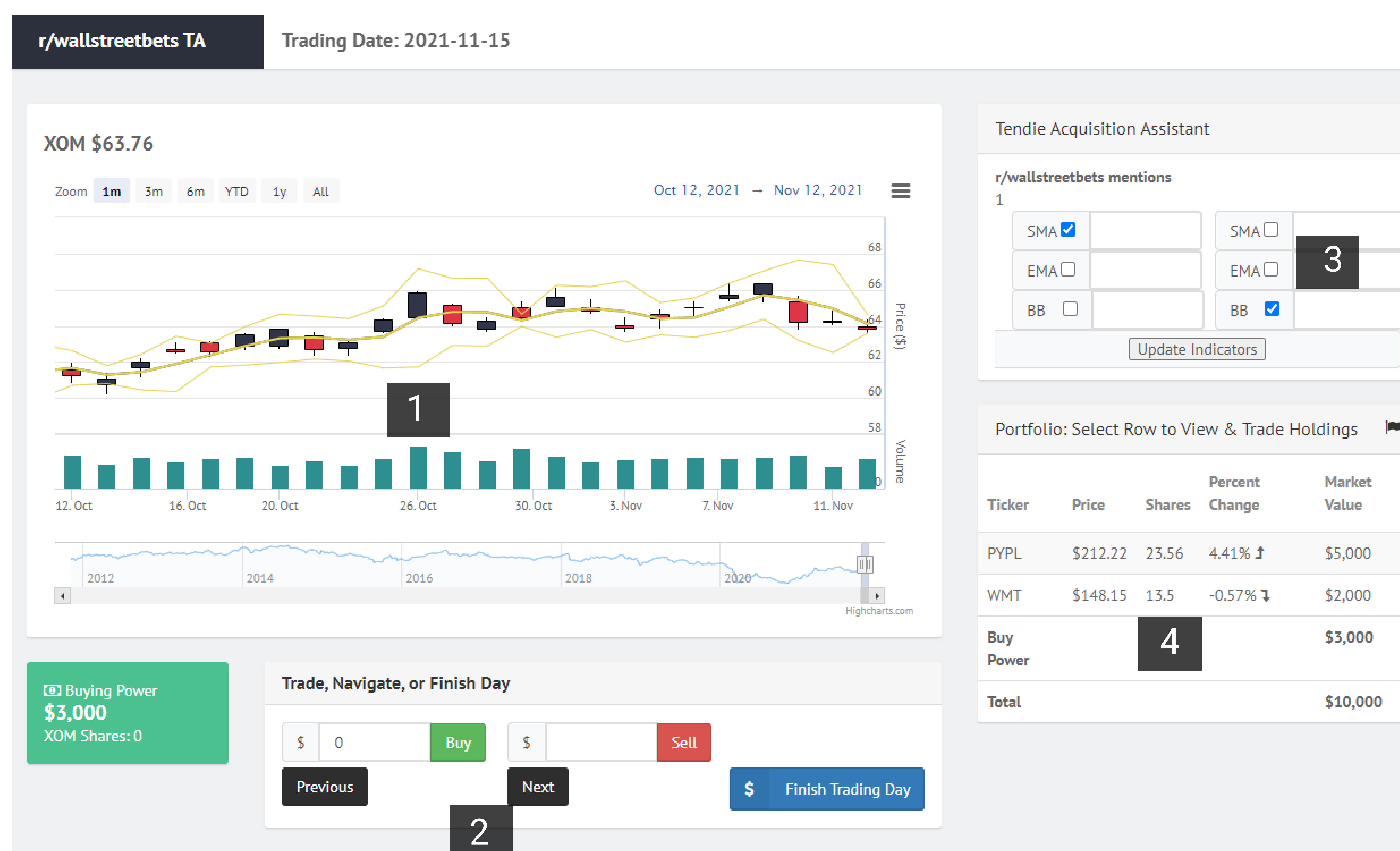
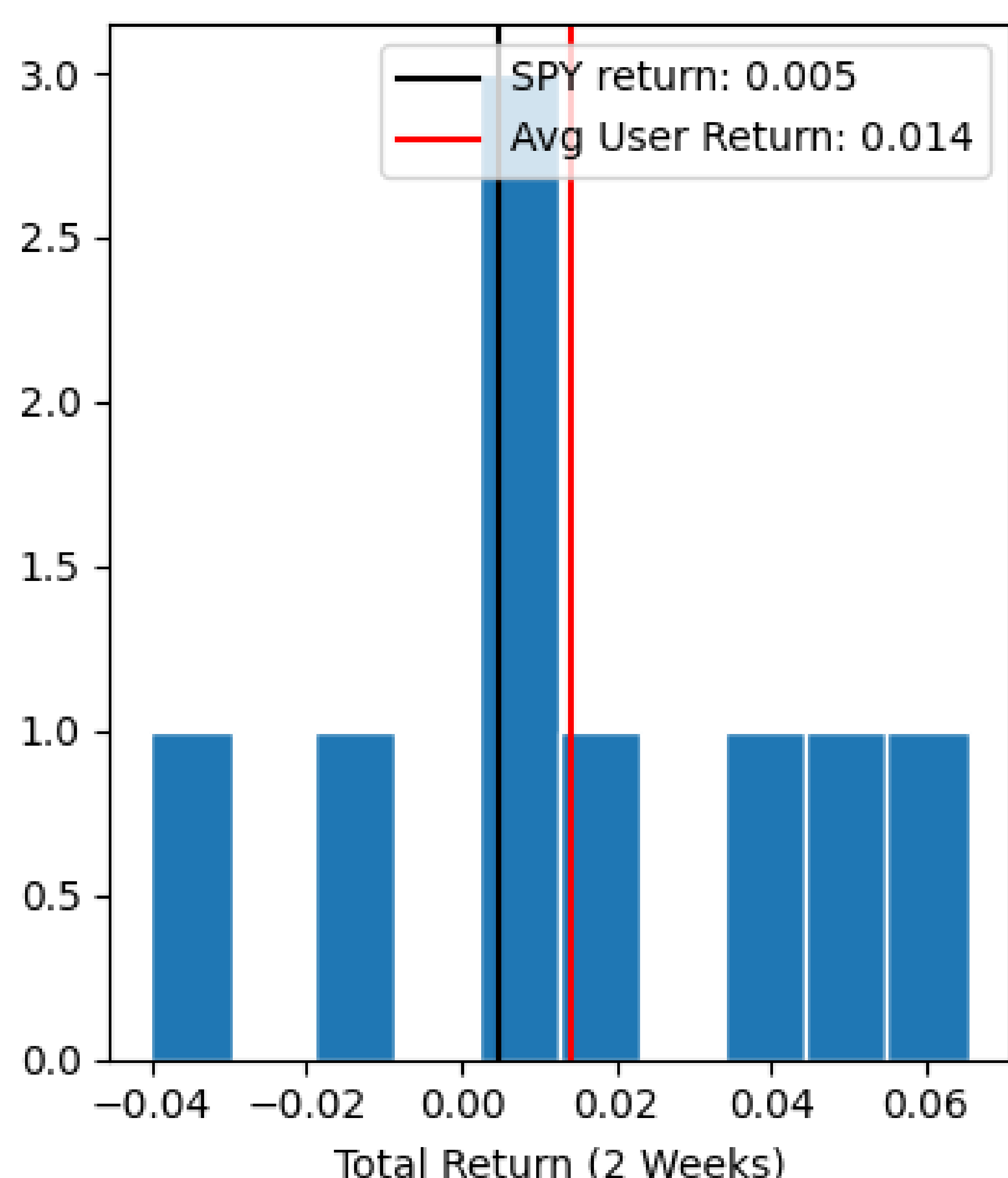
Delivering users the right stocks at the right time with an analytics suite all in one place to provide an edge in the market.

Auto-Selection

Opportunities are presented daily in a dating-app like interface to decide on, limiting time spend gambling on other's cognitive bias.

Machine Learning

Random forest model to train on technical indicators for securities mentioned on the subreddit. It learns the patterns of the selected securities to better identify positive positions the group goes all-in on.



[1] Chart of price and volume, along with selected indicators. **[2]** Buy/Sell/Pass positions for selected security. Also includes a finish trading day button to close current day. **[3]** Selection of indicators, can choose number of days for generating the chart. Count of reddit mentions. **[4]** Positions of current account.

Scalable

The platform is built on Amazon Web Services. Utilizing S3 for storage of our datasets and EC2 for our indicator evaluations and data visualizations. These can be scaled at any time for new users or larger datasets.

Evaluation

The technical indicators were run on all 500 of the SP500 securities. We were able to achieve positive results on over half of the tickers. This data combined with reddit mention counts gives an above average view of potential market movers. The project was sent to multiple participants for beta testing. Overall feedback was positive compared to similar paper trading platforms.