Compute 0.3.1

In this update, we've added a new cron trigger functionality, meaning you can schedule your data pipelines or models to run in the cloud whenever you want. It also includes several bug fixes and infrastructure updates. Be sure to follow the [upgrade guide](#) to get these updates.

Signals Diagnostics

We have migrated Signals to our new diagnostics architecture, meaning you can now find the new Diagnostics Tool at [signals.numer.ai](#) too. This contains all the Signals diagnostics you're familiar with and is available 24/7 just like the Numerai Tournament. This is meant to replace the diagnostics you receive after submitting. The old method of receiving diagnostics will be discontinued in the coming weeks.

TB 200, Autocorr, Adjusted Sharpe, and APY

We are introducing new diagnostics for both Tournament and Signals.

Top/Bottom 200 (TB 200) is a copy of all diagnostics on the top 200 stocks and the bottom 200 stocks you submit predictions for; the ones that represent your most extreme predictions.

Along with this new set of diagnostics we will also be including Autocorrelation and an Adjusted Sharpe Ratio. This 1-era-lagged Autocorrelation (Autocorr) is useful in determining how repetitive your scores are over time - a high Autocorr (near 1) means that good scores this round show a higher probability of good scores next round, and vice versa. The Adjusted Sharpe Ratio accounts for skewness and kurtosis of your scores, meaning that you can get a better idea of the actual risk/reward ratio.

Finally, we will be adding Annual Percentage Yield (APY) to the Classic Tournament diagnostics, to provide an idea of the potential profitability of your models. This will bring Tournament Diagnostics into parity with Signals Diagnostics.

Here's a preview in the Numerai Tournament page:

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tourny_diagnostics

2688×1980 3.64 MB

](https://forum.numer.ai/uploads/default/original/2X/b/b77e3653aa923b85e9d2db2949b31ca2ce5f71aa.gif)

And a preview for Signals:

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signals_diagnostics

2688×1980 2.23 MB

](https://forum.numer.ai/uploads/default/original/2X/4/4e7247d1d203608d9d8f64c17f8f9a5516065bb7.gif)