



Grok For Stocks Release Notes

Grok for Stocks is an HTM demonstration application that continually monitors hundreds of publicly traded companies and alerts you if something unusual is happening to any of them. Grok for Stocks uses HTM machine intelligence algorithms to model stock price, stock volume and Twitter data related to the Russell Top 200® list of largest publicly traded companies*. Grok for Stocks is a mobile application that runs on Android-based phones.

Grok for Stocks' primary purpose is to illustrate how hundreds of high-velocity data streams can be automatically modeled and made useful in a simple mobile application. Although some people may want to use the product as is, Numenta is making all the source code for Grok for Stocks available via the NuPIC open source project to encourage others to create new and derivative products.

* The list in Grok for Stocks mirrors the Russell 200 as of 11/28/2014

Technical Requirements

Smartphone: Google Android 4.1 or higher ONLY.

No iPhone or Web support is available at this time.

Summary Feature List

- Time-based pattern detection using Stock Price, Stock Volume and Twitter data feeds
- Highlights most anomalous companies
- Continuous Learning
- Root-cause analysis through Twitter integration
- Notifications
- Android Mobile App

Known Issues and Bugs

- For companies with large volumes of tweets, the tweets sometimes load slowly, causing the scrolling to appear "stuck".
- When the phone has poor connectivity (bad signal and/or limited WiFi), the metric detail graphs display empty.
- There is an intermittent issue on the Twitter List view, where the headers don't always display the correct number of Tweets.