

Visualizing The Output of Your Search AI

Marcus Eagan

Developer Relations @ Lucidworks

Twitter: @marcusforpeace

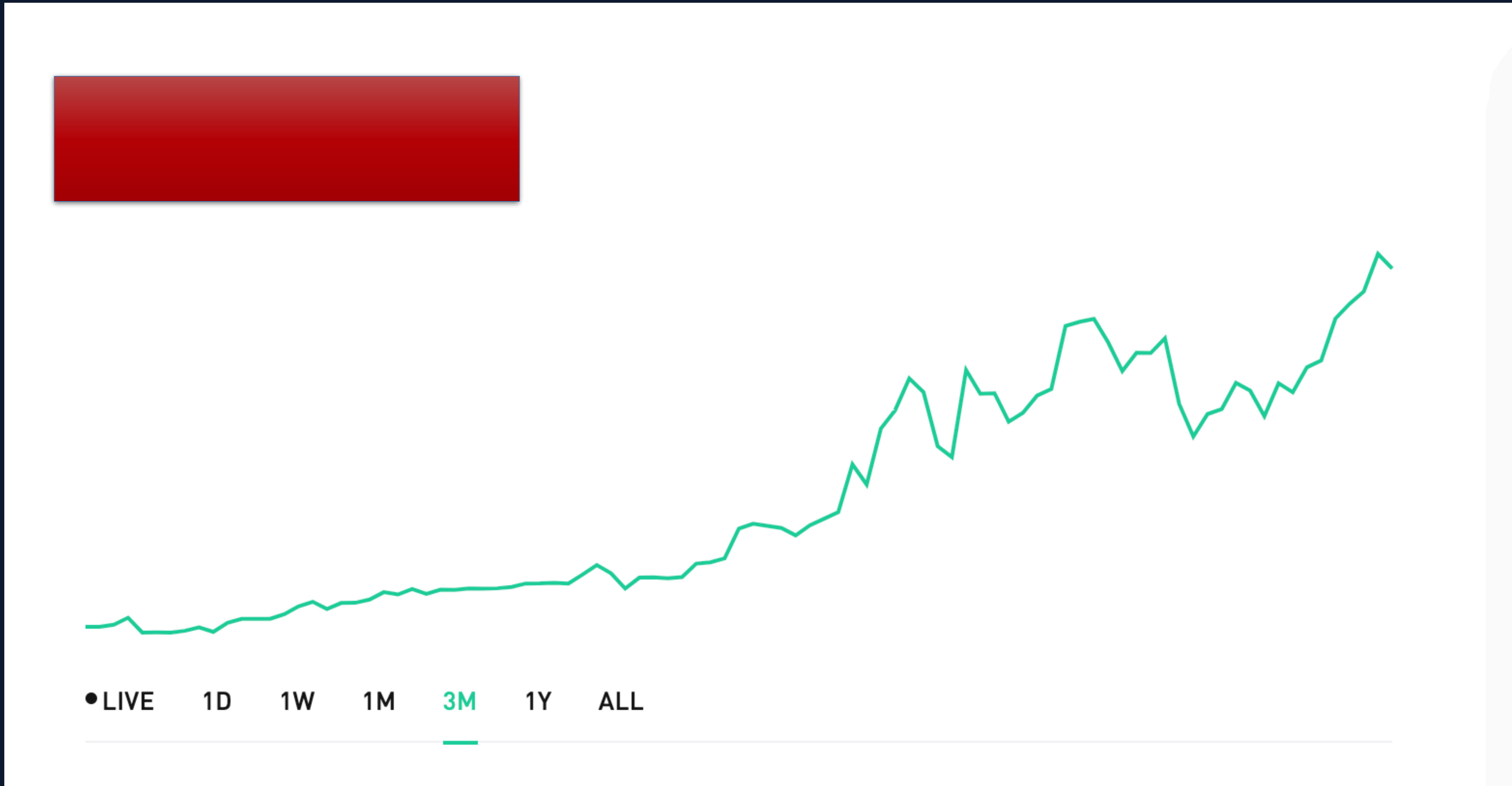


How Solr, Spark, Tensor Flow, and Superset Made me Money

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Why You Should Pay Attention



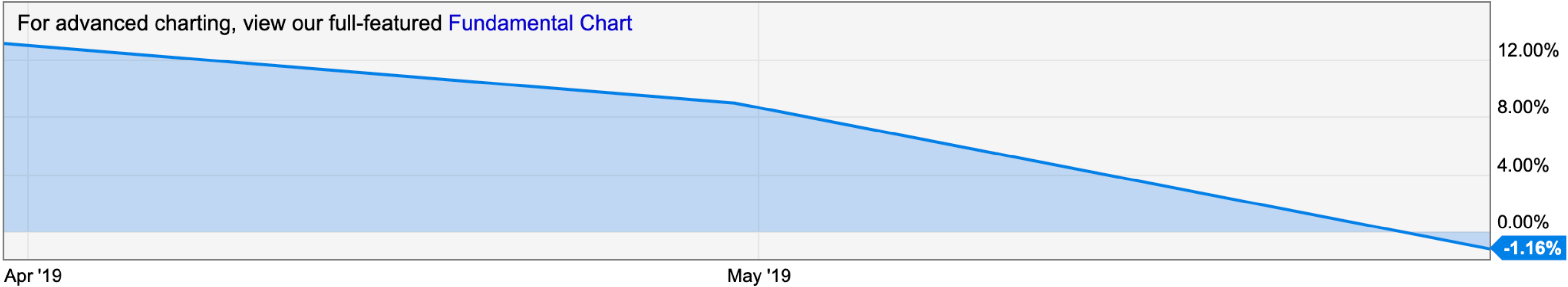
Why You Should Pay Attention

Chart

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5d 1m 3m 6m YTD 1y 5y 10y Max

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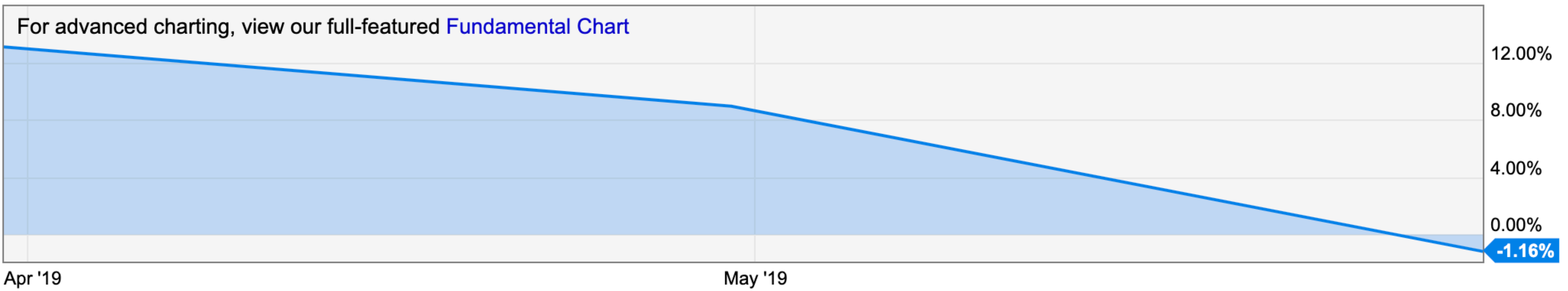


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5d 1m 3m 6m YTD 1y 5y 10y Max

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About me

DevRel at Lucidworks

Running meetups and advocating for developers

Solr, Superset, and few others ... contributor

Long-time open source hacker in my hood

Based in San Francisco, but willing to help you kick off a meetup community.

- Transfer learning-powered navigation with facets
- Sentiment Analysis tool trained on unstructured text
 - Classified by definition
 - Same language
 - Similar domain
 - Topical overlap

Humans are Fallible

- Stock Predictions
- MRI Reading
- Bad at Driving

10% Search

Showing 1 - 12 of 212 (Fusion took 70ms) 10% ×

- Iran threatens to break nuclear deal's limit on uranium 'in 10 days'** [Video]
Iran says it is planning to ramp up enrichment of low-grade uranium and will pass the internationally agreed limit in 10 days. Ali Alfoneh, Senior Fe...
- Near a 10-Year Low, Is**
The oil giant's bold move will impact stock price.
- Why Beyond Meat Stock Popped 10%**
WSJ is bullish on Beyond Meat, but it's got nothing to do with fundamentals.
- Why Luckin Coffee Stock**
Discovering that some hedge funds are smiling -- but should it?
- Iran Says It Will Break Uranium Stockpile Limit in 10 Days**
Iran Says It Will Break Uranium Stockpile Limit in 10 Days
- US economy's expansion ending**
As the U.S. economy inches into a recession, experts are increasingly pessimistic.
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- 5 Stocks to Buy for \$2**
A good rule of thumb in investing is to buy stocks that are cheap or low. Cheap

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Humans are Slow

- Take breaks
- Need food
- Otherwise hangry

10%

Search

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Near a 10-Year Low, Is

The oil giant's bold move will impact stock price.

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US economy's expansion ending

As the U.S. economy inches into a recession, experts are increasingly pessimistic about growth, experts are incre...

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5 Stocks to Buy for \$2

A good rule of thumb in investing is to buy stocks that are cheap or low. Cheap...

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Why build it

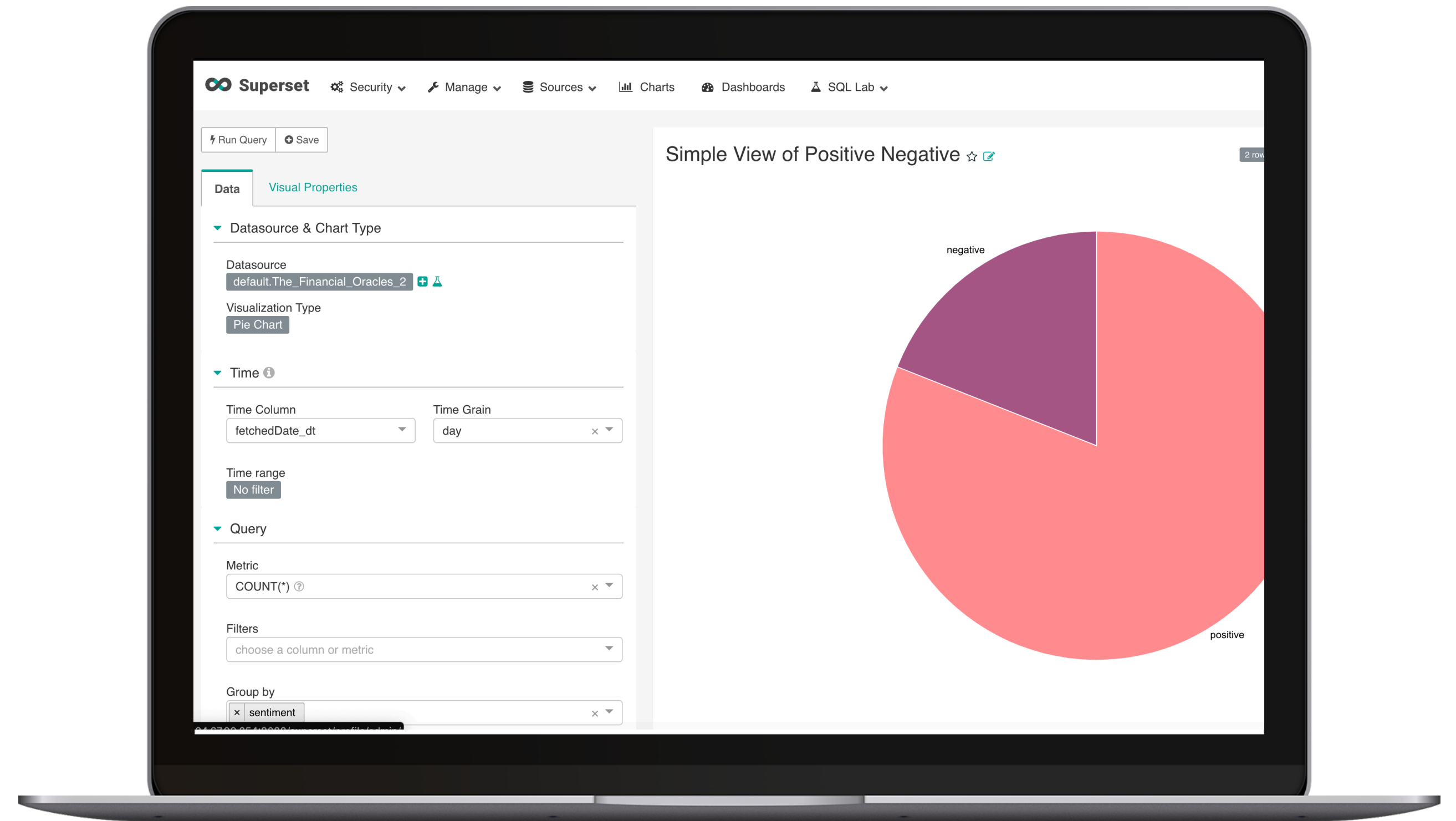
- Difficult to view Scala predictions at scale.
- Needed fast visualization that was lighter and cheaper than Tableau.

What it means for you

If you have added machine learning to an index pipeline, you can use this tool for a high level look at what's going on and give yourself direction on where you should dig in.

Today, we will:

- Justify that it's a good time to invest
- Spin up a Fusion instance in Google Cloud (for simplicity in dealing with Solr)
- Spin up a Superset service on the same server
- Create a dashboard of the data matching certain SQL queries against your collection to see what the smart index pipeline suggests



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Getting started with Labs

- GitHub is required
- lucidworks.com/labs

We will be indexing Yahoo's financial news data, which has powered a modest investment fund since its publication.

To index:

- Crawl the Yahoo finance for financial data 10 minutes
- Add an index stage to include a machine learning stage

Connect Superset to Solr

- Log in to Superset
- Help the user find the internal IP and navigate adding a data source

Create a dashboard

On scratch paper, plan out what you want to accomplish and where on the screen.

Is sentiment analysis good for this task?

Categories



Negative



Positive

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Create a chart

Create a chart, and drill into what you want to focus on.

Thanks to Four Free Projects and Fusion



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Giving big thanks to Lucidizens Erik Hatcher, Alea Abed, Richard Gold, Connor Campbell and Grandma JoAnn.