



**NOSIBLE**

# We help investment teams with:

## Idea Generation



Generate ideas using a recommendation system that learns *your* unique investment style.

## Due Diligence



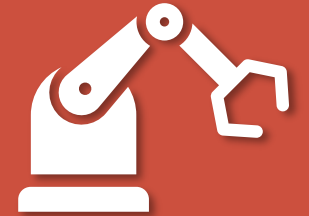
Rapidly identify and evaluate risk factors in your portfolio or any other investment fund.

## Communication



Communicate clearly with your clients through data visualizations that they will not forget.

## Investment Copilots



Use AI to stay on top of all the important things that could affect your investment portfolio.

## Idea Generation

**You have 252 days to beat your peers. How many will you spend on companies that don't fit your fund? With us, the answer is "none".**

# Idea Generation

We can help you incorporate recommendation systems like those that power Spotify, Amazon, and Netflix into your process. Recommendation systems will help your team discover the best investments that match your signature.

Every time you update your portfolio the recommendation system learns more about you and your investment signature.

Your signature is then compared against every investment opportunity available in Nosible to find those that match the best.

Unlike other recommendation systems, your signature is under your control. Feel free to override it or apply specific filters to it.

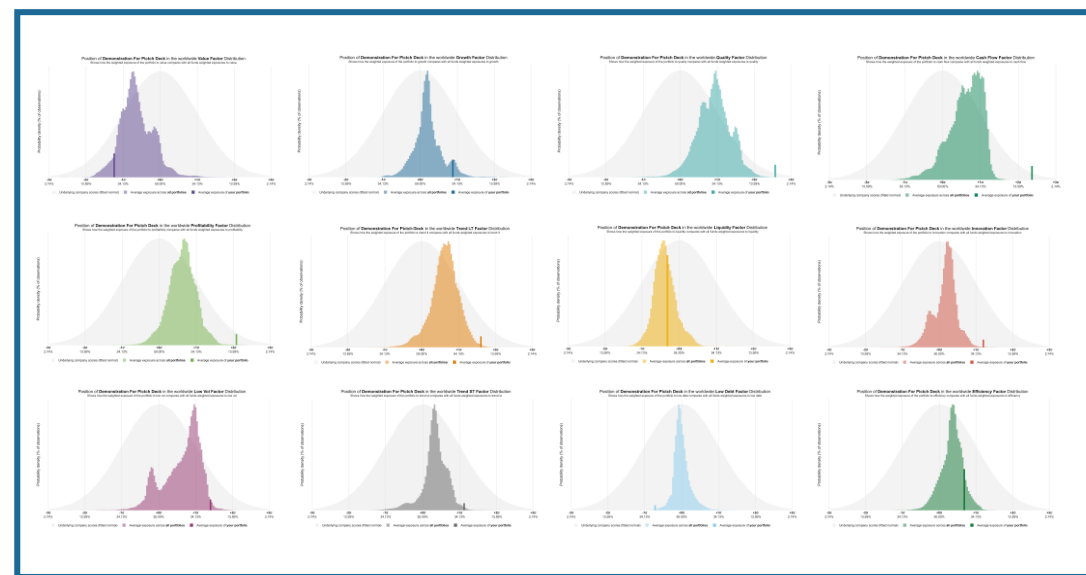
Your recommendation system can also work backwards to flag which of your holdings that don't seem to match your signature.

Signatures in Nosible are automatically sector and industry neutralized to ensure recommendations are maximally diversified.

**STEP 1)** Load your investment portfolio.



**STEP 2)** Your signature is quantified.



**STEP 3)** The system finds ideas for you.



# Analysis Tools


No recommendation system is perfect, so we also provide our users with analysis tools. These tools are designed to help you quickly accept or reject ideas. In seconds, these tools can answer important questions such as:

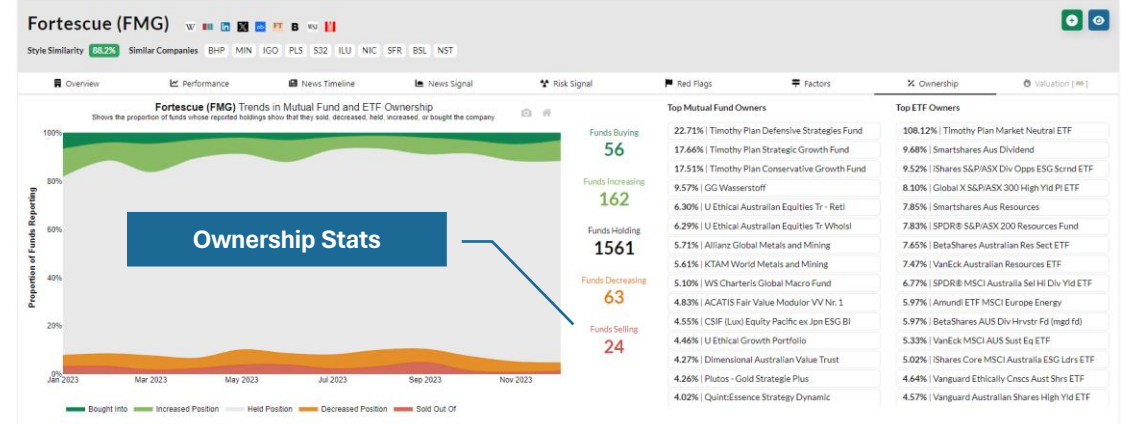
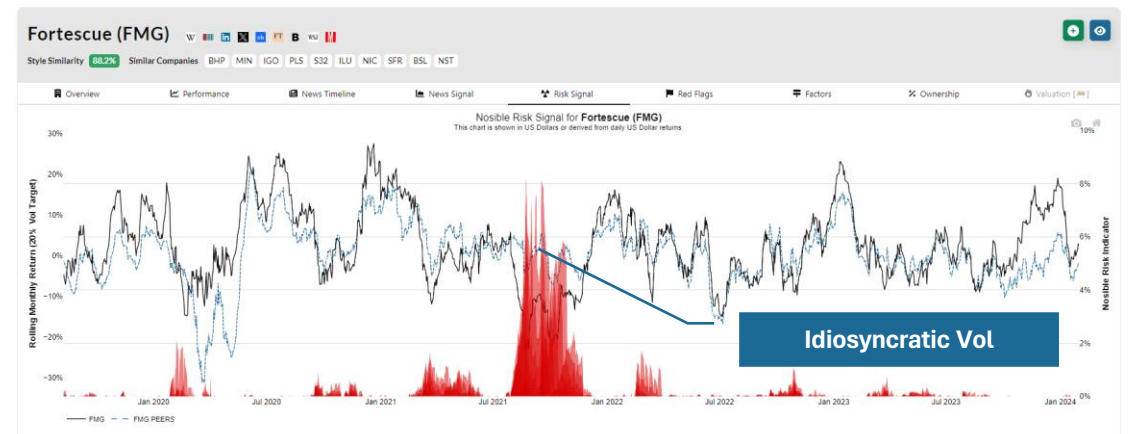
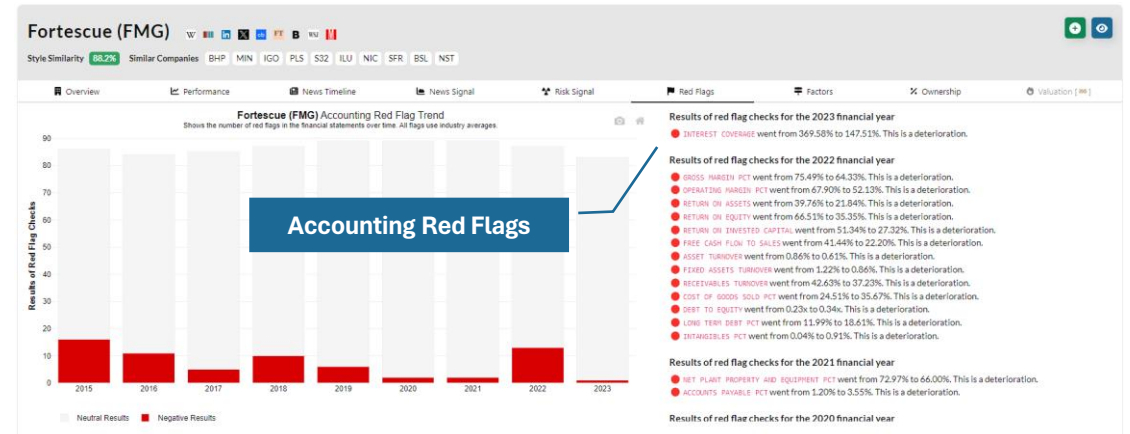
Who does this company compete with? And how has this company performed against them over the past five years?

What are the most important news stories affecting this company right now and how has the share price reacted to them?

Are there any line items in the financials that are far out of line with industry norms? Or line items that show weakness?

Have other asset managers been buying or selling this company recently? Is it a Wall Street Darling or is it contrarian?

: In 2024 we will be adding new analysis tools including sentiment analysis charts, SEC filings, and supply chain maps.



## Due Diligence

**Never find yourself on the backfoot again.  
Understand any investment portfolio as if it were  
your own. Ask uncomfortable questions.**

# Holdings Data

With one click you can switch to any other equity mutual fund or ETF and see their holdings, ideas, factor exposures, asset allocations, performance, news feeds, and more. We have holdings for over 34,000 low, medium, and high equity funds.

Whether you're a manager looking to analyse your benchmark or your competitors, or an investor doing due diligence, we can help.

With one simple click you can see the holdings, news feed, factor exposures, underlying returns, and asset allocation of any fund.

Imported funds are treated like stock portfolios so you can experiment with their holdings and weights to see what happens.

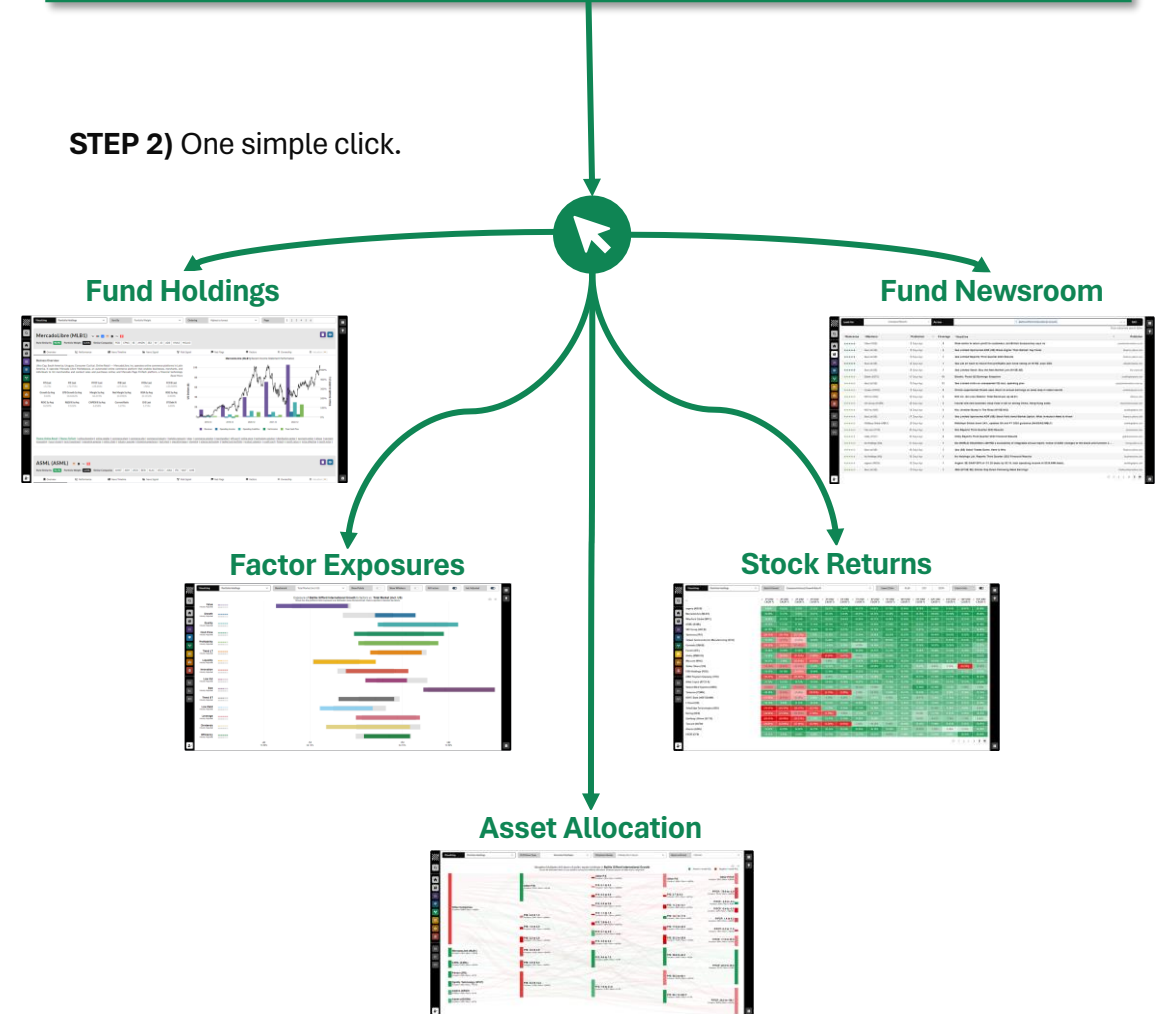
Nosible buys fund data from Morningstar Data Services, so you know you are getting quality holdings data direct from the manager.

Currently, we have market data for 77,000 oldest fee class funds and holdings data for over 34,000 low, medium, and high equity funds.

STEP 1) Find the fund you want.



STEP 2) One simple click.





# Fair Comparisons

The lack of standardization across fact sheets makes fund comparisons challenging. All funds and share portfolios in Nosible are automatically standardized. This makes side-by-side comparisons easy and, more importantly, objective.

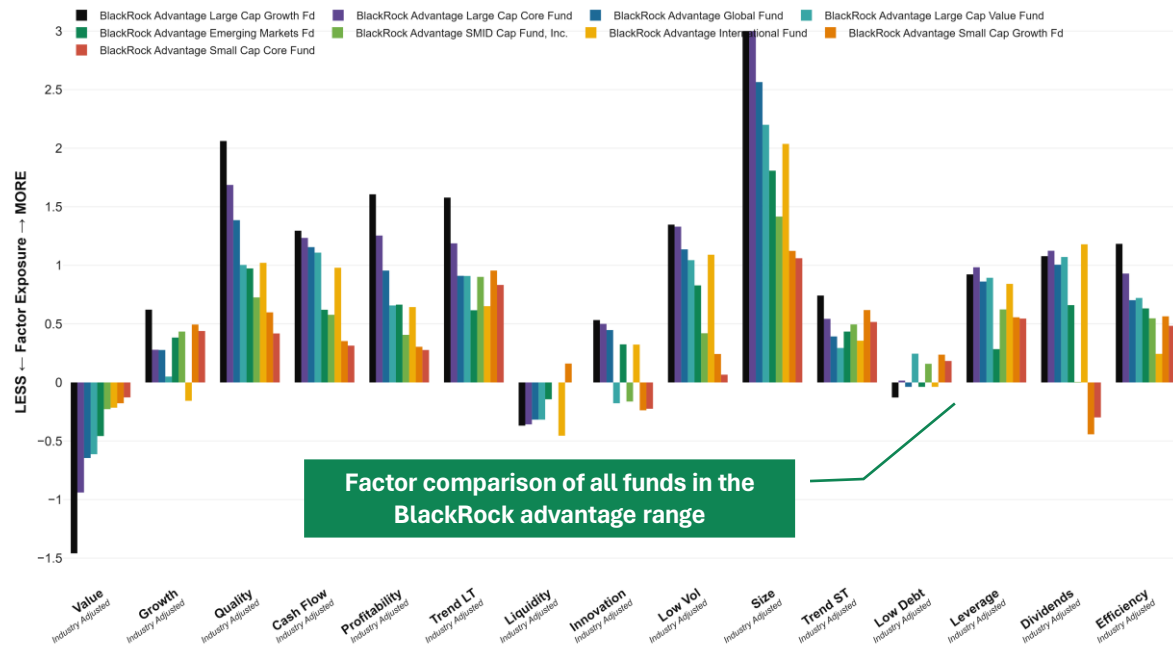
Comparing funds is tricky. Are they using GICS or NAICS? Normalized EPS or EPS? Net or gross returns? In Nosible, it's all standardized.

This applies to custom share portfolios as well. Which means that you can compare *any* portfolio against any mutual fund or ETF fairly.

Our side-by-side comparison tool makes it easy to identify significant differences between funds that might otherwise go unnoticed.

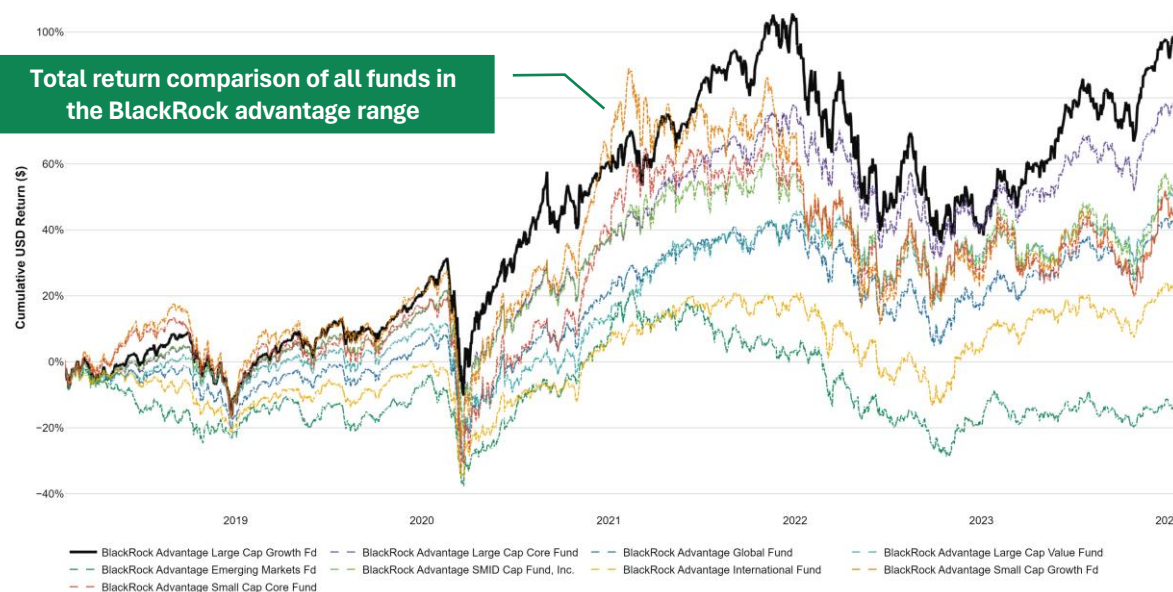
Underlying fund data can also be exported directly into Excel which makes doing advanced analysis and comparisons easier.

For example, the data visualizations on the right show comparisons between all the Advantage funds offered by BlackRock.



Factor comparison of all funds in the BlackRock advantage range

Performance of BlackRock Advantage Large Cap Growth Fd vs. selected entities



Total return comparison of all funds in the BlackRock advantage range



## Communication

**Your clients are nodding off 🙄. Let's show them something they will remember. Something that tells them who you are and what you do.**

# Data Visualization

Did you know that data shown visually is far more likely to be remembered? It's called the "Picture Superiority Effect" and if you're not using it, you're missing a trick. Your clients are bored, so let's show them something they'll remember.

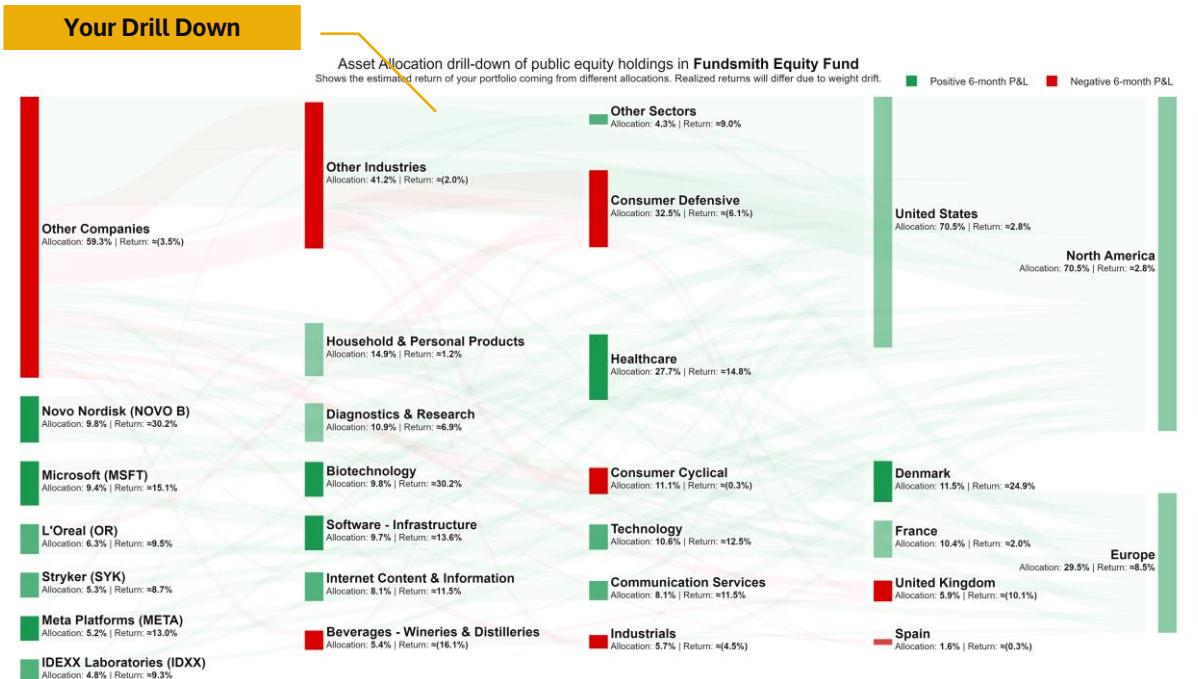
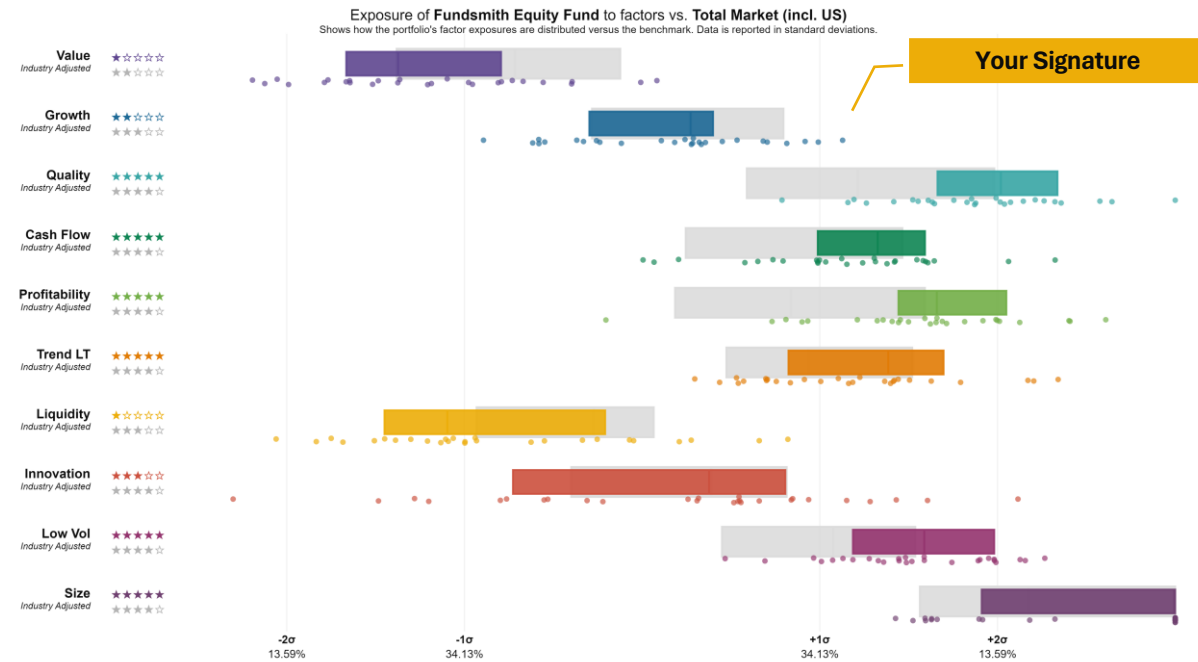
We have dozens of presentation-ready, high-resolution visualizations for *your* portfolio just waiting to be added to your PowerPoint.

Based on client feedback, the two most iconic data visualizations in Nosible are the signature and the asset allocation drill-down.

The signature visualization will show your clients what makes your portfolio different and how your holdings contributes to that.

The asset allocation drill down will show your clients how you have allocated their capital and where your P&L is coming from.

Data visualizations in Nosible are interactive, often customizable, and can be downloaded as 4K resolution images very easily.




# Powerful Datasets

Nosible also provides customers with comprehensive Excel datasets that cover every company and fund on our platform. Using these datasets, finding statistics that speak to your investment process, and what makes it unique, is easy.

Analysts spend hours of their day finding, cleaning, standardizing, and processing data. Our datasets are already good-to-go.

Our datasets cover reference data, metadata, securities, factor scores, peer groups, topics, holdings, allocations, and returns.

Carving datasets out of the Nosible index is easy and we are open to requests for custom datasets that mix and match fields.

: *In 2024 we will integrate Datasets with the Assistant API. This will allow our users to interact with datasets in English e.g.*

**User:** *“Find all equity funds with a CAGR >12% over the past decade in the Large Cap Value category. Sort the results by weighted average P/E ratio.”*

## Company Datasets

### Company Identifiers

COMPANIES  
Contains unique identifiers of companies in the Nosible Index. Identifiers include the ISIN code, Name, Website, FSN name, RIC code, LEI code, Refinitiv PermID, Bloomberg FIGI, Google Knowledge Graph IDs, Wikidata IDs, and Wikipedia page.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 4.68MB

[Download Sample](#) [Download Dataset](#)

### Company Metadata

COMPANIES  
Contains metadata of companies in the Nosible Index. This includes sector, industry, continent, country, ISO codes, postal code, latitude, and longitude. It also includes the number of employees and subsidiaries and important company dates.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 3.82MB

[Download Sample](#) [Download Dataset](#)

### Company Securities

COMPANIES  
Contains information about the primary listing of companies in the Nosible Index. This includes the currency, exchange, time zone, and trading hours. The dataset also shows how many secondary listings Nosible has reliable data for.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 3.21MB

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### Company Unadjusted Factors

COMPANY FACTORS  
Contains the factor Z-scores of every company in the Nosible Index. The Z-scores in this dataset are not adjusted. For more information about our factor methodology including factor definitions and data inputs please contact Nosible.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 4.94MB

[Download Sample](#) [Download Dataset](#)

### Company Sector Factors

COMPANY FACTORS  
Contains the factor Z-scores of every company in the Nosible Index. The Z-scores in this dataset have been sector adjusted. For more information about our factor methodology including factor definitions and data inputs please contact Nosible.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 4.94MB

[Download Sample](#) [Download Dataset](#)

### Company Industry Factors

COMPANY FACTORS  
Contains the factor Z-scores of every company in the Nosible Index. The Z-scores in this dataset have been industry adjusted. For more information about our factor methodology including factor definitions and data inputs please contact Nosible.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 4.94MB

[Download Sample](#) [Download Dataset](#)

## Fund Datasets

### Fund Identifiers

FUNDS  
Contains unique identifiers of all funds in the Nosible Index. This includes the fund name, ISIN code, and exchange code (MEX). This dataset also shows the ticker of the fund class with the longest track record. For more information contact Nosible.

Version: 20240102  
Records: 77019

Availability: Enterprise  
File Size: 6.99MB

[Download Sample](#) [Download Dataset](#)

### Fund Metadata

FUNDS  
Contains metadata about all funds in the Nosible Index. This includes the fund name, ISIN code, currency code, domicile, number of equity holdings plus the % matched, the number of fee classes, and track record length.

Version: 20240102  
Records: 77019

Availability: Enterprise  
File Size: 5.17MB

[Download Sample](#) [Download Dataset](#)

### Fund Unadjusted Factors

FUND FACTORS  
Contains the weighted average factor Z-score of every equity fund in Nosible. The Z-scores in this dataset are not adjusted. For more information about our factor methodology including factor definitions and data inputs please contact Nosible.

Version: 20240102  
Records: 34594

Availability: Enterprise  
File Size: 4.96MB

[Download Sample](#) [Download Dataset](#)

### Fund Sector Factors

FUND FACTORS  
Contains the weighted average factor Z-score of every equity fund in Nosible. The Z-scores in this dataset are sector adjusted. For more information about our factor methodology including factor definitions and data inputs please contact Nosible.

Version: 20240102  
Records: 34594

Availability: Enterprise  
File Size: 4.95MB

[Download Sample](#) [Download Dataset](#)

### Fund Industry Factors

FUND FACTORS  
Contains the weighted average factor Z-score of every equity fund in Nosible. The Z-scores in this dataset are industry adjusted. For more information about our factor methodology including factor definitions and data inputs please contact Nosible.

Version: 20240102  
Records: 34594

Availability: Enterprise  
File Size: 4.95MB

[Download Sample](#) [Download Dataset](#)

### Company Peer Groups

NETWORK  
Contains the peer group for every company in the Nosible Index. Peer groups are found by measuring the similarity of company metadata. The similarity of company metadata and the similarity of company topics. For details please contact Nosible.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 3.95MB

[Download Sample](#) [Download Dataset](#)

## Language Datasets

### Fund Peer Groups

NETWORK  
Contains the peer group for every equity fund in the Nosible Index. Peer groups are found by measuring the similarity of the funds metadata, equity holdings, historical returns, and multi-factor style. For details please contact Nosible.

Version: 20240102  
Records: 77019

Availability: Enterprise  
File Size: 8.04MB

[Download Sample](#) [Download Dataset](#)

### Company Top 10 Topics

LANGUAGE  
Contains the top 5 topics associated with every company in the Nosible Index. Topics are identified from company profiles, news, websites, Wikipedia pages, and SEC filings. Topics must be mentioned by at least one other company.

Version: 20240102  
Records: 30916

Availability: Free  
File Size: 3.94MB

[Download Sample](#) [Download Dataset](#)

### Company Top 30 Topics

LANGUAGE  
Contains the top 30 topics associated with every company in the Nosible Index. Topics are identified from company profiles, news, websites, Wikipedia pages, and SEC filings. Topics must be mentioned by at least one other company.

Version: 20240102  
Records: 30916

Availability: Enterprise  
File Size: 6.87MB

[Download Sample](#) [Download Dataset](#)

### Topic Companies

LANGUAGE  
Contains the top 5 companies associated with each and every topic in the Nosible Index. Topics are identified from company profiles, news, websites, Wikipedia pages, and SEC filings. Topics must be mentioned by at least 3 companies.

Version: 20240102  
Records: 0

Availability: Enterprise  
File Size: 0.01MB

[Download Sample](#) [Download Dataset](#)

### Top 10 Equity Holdings

OWNERSHIP  
Contains the top 10 holdings of all equity funds in the Nosible Index. Fund holdings are lagged by up to three months. However, fund ownership changes slowly. For the latest week-on-week ownership changes see the Ownership Changes dataset.

Version: 20240102  
Records: 34594

Availability: Free  
File Size: 3.64MB

[Download Sample](#) [Download Dataset](#)

### Top 30 Equity Holdings

OWNERSHIP  
Contains the top 30 holdings of all equity funds in the Nosible Index. Fund holdings are lagged by up to three months. However, fund ownership changes slowly. For the latest week-on-week ownership changes see the Ownership Changes dataset.

Version: 20240102  
Records: 34594

Availability: Enterprise  
File Size: 7.06MB

[Download Sample](#) [Download Dataset](#)

## Investment Copilots

**Who has the time to read every report, transcript, filing, and breaking news story? Not you, but your AI copilot can. Get ahead and stay ahead.**

# Investment Copilot

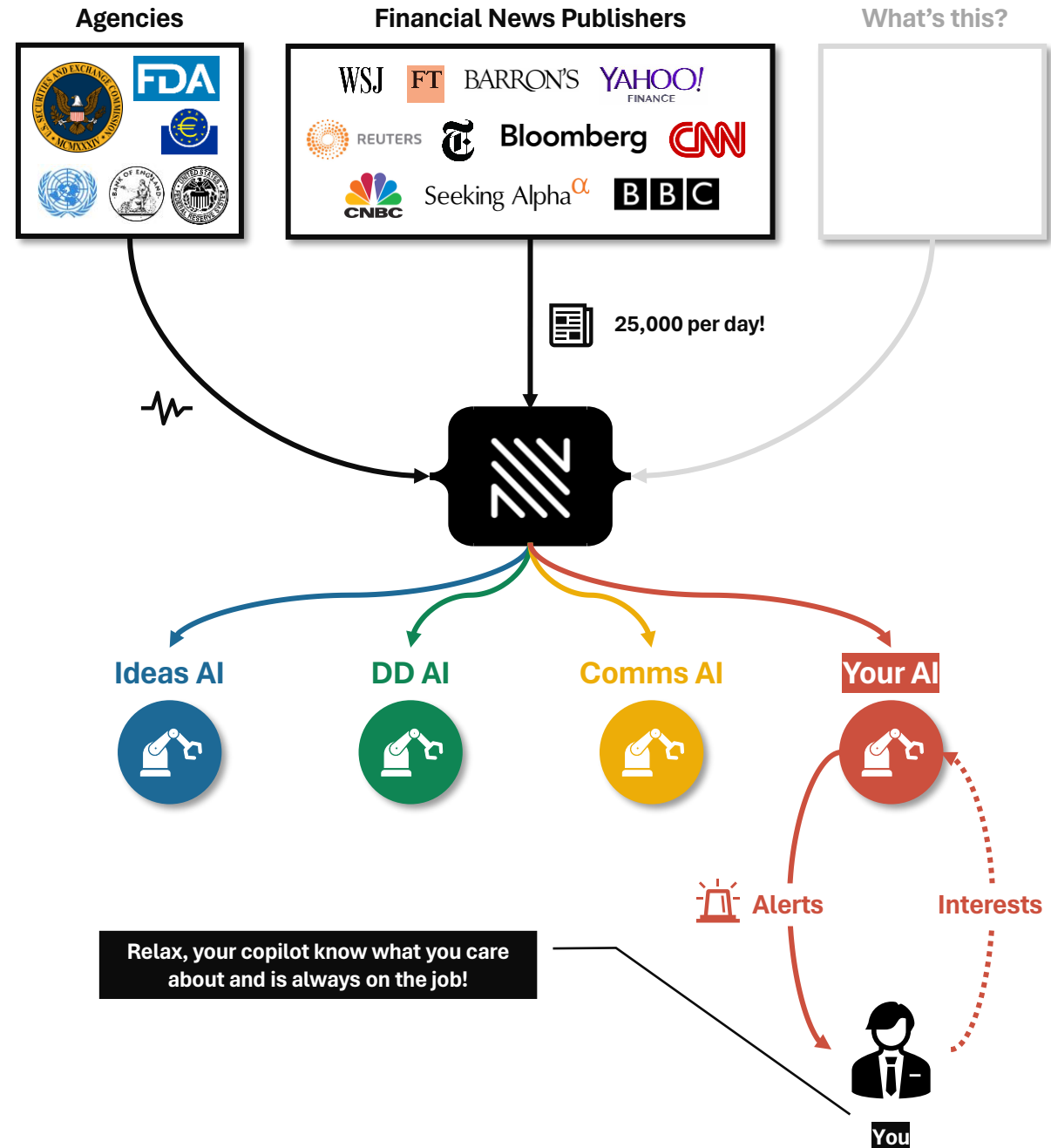
In markets everything can change in the blink of an eye and it's impossible to stay ahead of everything. Your investment copilot is a secret weapon. It can keep an eye on everything you care about 24/7 and alert you to what matters.

Your copilot is not a chatbot, it is an **intelligent alerting system**. Think of it like Google Alerts except that it can *read, think, and write*. Best of all, it never sleeps. You can use your investment copilot to:

- ✓ Monitor for ESG-updates related to your portfolios.
- ✓ Find M&A activity from specific industries or sectors.
- ✓ Watch out for central bank policy changes globally.
- ✓ Review analyst changes across your stock watchlist.
- ✓ ... and much, much more. The only limit is your creativity.

How does it work?

First, you tell us what you care about in the form of questions. Second, we monitor the web 24/7/365 for relevant content to send to your copilot. And, finally, your copilot reads it and answers your questions.



# Private and Secure

On day one, your copilot will have access to millions of news stories from thousands of publishers. But why stop there? Our on-prem copilot offering allows you to bring your copilot inside your organization in a private and secure way.

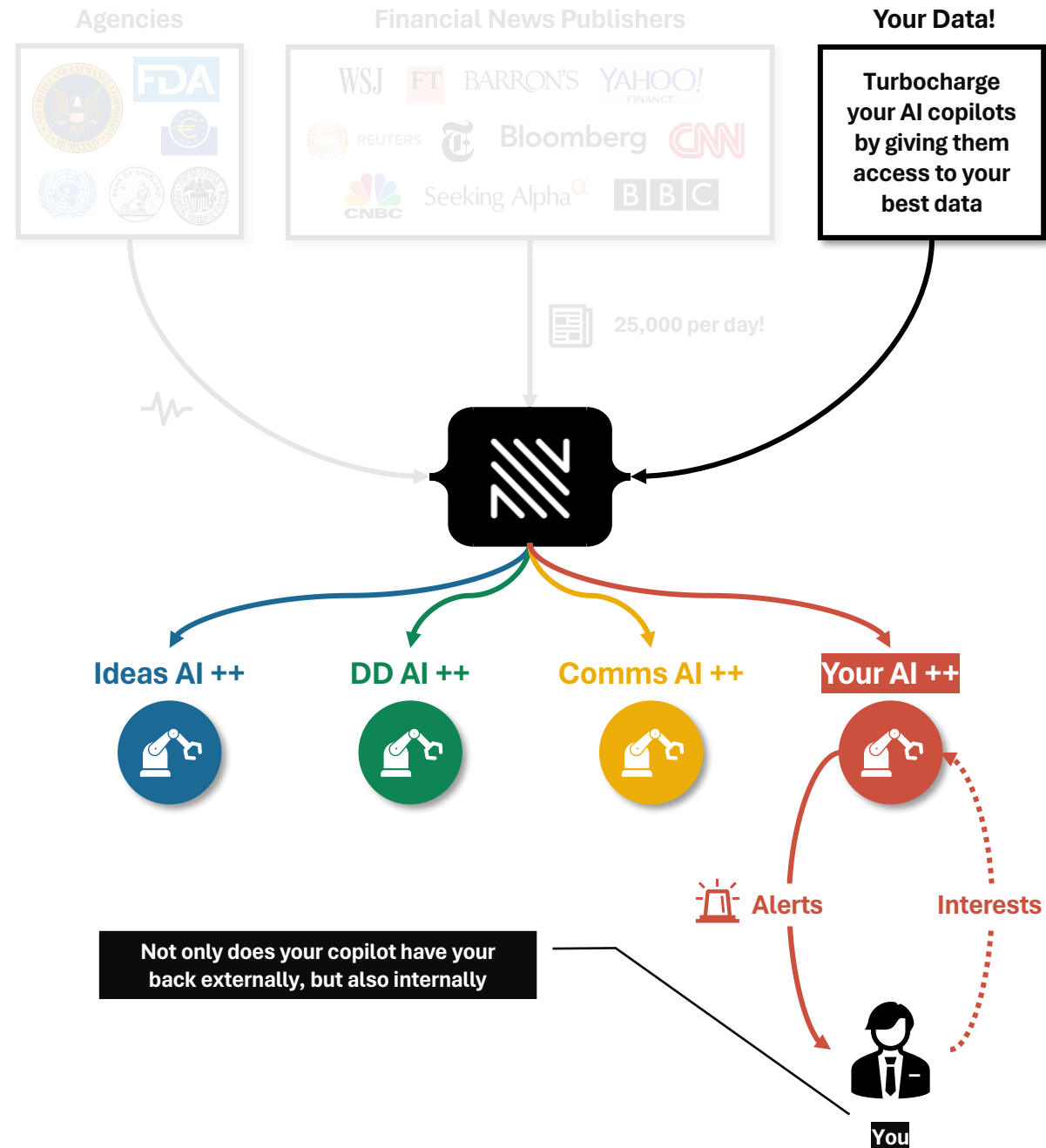
Are you spending a fortune on equity research, expert networks, and brokerage datasets and wondering who exactly reads them?

Your copilots can read them for you and distribute the right alerts to the right people at the right time without leaving your network.

How? We can deploy a standalone on-prem version of your copilot and integrate it with your internal knowledge management systems.

We can also help you **own and operate your own LLM** to ensure that your alpha isn't being uploaded to some OpenAI training dataset.

Self-hosted copilots are faster and cheaper at scale but, more importantly, they are compliant with modern data privacy laws.



## Who is Nosible?

**Nosible is a UK-based technology startup on a mission to put personalized AI tools into the hands of every professional investment team.**



# Our Experience

In the rapidly evolving battlefield of Artificial Intelligence, size and inertia can be dangerous. We are a lightweight team of experts with a strong track record of building and successfully deploying AI products into financial markets.

If you would like to work with us, here are a few things you might want to know about us before we kick off our first engagement:

*Strategically* we like to work with teams that share our vision of a future in which AI and professionals work together in harmony.

*Operationally* we are user centric. We do not believe in technology for its own sake. Everything we build should be inherently useful.

*Technologically* we are cloud agnostic and operate “closer to the metal” than most. We don’t like tech debt and deprecate often.

*Culturally* we are a rare startup. We are fiscally responsible, we are our own users, and we aim for quality over quantity of output.

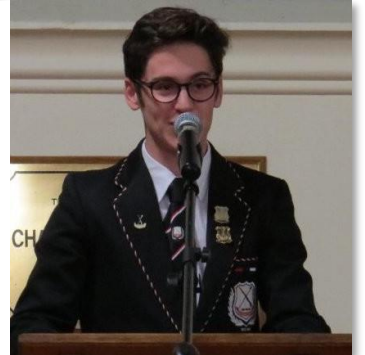
## Stuart Reid, CEO and Founder

Stuart is a quantitative analyst, computer scientist and full stack backend, frontend, and machine learning engineer with 12 years of hands-on experience building AI-based systems in the investment management industry. He began his career at KPMG and Old Mutual before serving as a Portfolio Manager at a boutique hedge fund and then Head of Data Science at Aerobotics. He founded Nosible with the mission of putting personalized AI in the hands of every investor.



## Matthew Dicks, Machine Learning Engineer

Matthew joined Nosible as a machine learning engineer in 2022. He has a Masters degree in Advanced Analytics and undergraduate degrees in Mathematics, Statistics, and Computer Science from the University of Cape Town. He placed at the top of his class in Machine Learning, Bayesian Decision Modeling, and Advanced Regression and High Frequency Trading. At Nosible he has worked on natural language processing, large language models, and backtesting.



## Angus MacLaine, Non-Executive Director and Investor

Angus is the CEO and founder of Fundamental Group, a leading media buying and planning agency in the asset management industry. His clients include the likes of PIMCO, Baillie Gifford, AXA, Allianz, and more. He is also a co-founder and advisor of Alphix a next-generation intelligence technology platform for marketing companies. Alphix and Nosible collaborate closely on various projects that involve large language models and vector search.



# Working Together

Over the past few years Nosible has cultivated deep and strategically important relationships with our customers. If you would like a testimonial or a reference, please do not hesitate to ask for one, we will happily arrange that.

Different investment teams have different requirements, so we are open to three types of customers – SaaS, API, and Strategic.

**\$** - SaaS customers use the features available in the Nosible SaaS platform as-is. This is 100% self-service and low cost.

**\$\$** - API customers use our data and models via API to enhance their own products, services, or investment strategies internally.

**\$\$\$** - Strategic customers work directly with Nosible to co-create products or services that leverage our expertise and technology.

It is not unusual for a customer to fall into all three categories. They use our web app, our APIs, and contract us from time-to-time.

## Selected Projects & Users



### Multi-Factor Modelling

Nosible is helping Sentio to develop and test a multi-factor risk model for global and domestic equities. This uses the same factor engine that powers Nosible but has been expanded to include custom factor definitions and sentiment.



### Semantic Targeting

Alphix uses the Nosible News API to identify semantically meaningful news stories to run their asset management clients' ads against. We are also collaborating on LLMs together and have helped them set up their own private and secure LLMs.



### Ongoing Due Diligence

Nedgroup Investments uses Nosible to understand and do due diligence on the funds that they are invested in or are considering investing in. They have integrated with the Nosible management API so that their team never needs to refresh Nosible.



Investment Managers



Anbro  
CAPITAL INVESTMENTS



Where are we going?

**Nosible and our strategic clients are embarking on a journey that will yield the largest corpus of financial documents ever curated and indexed.**

# Internet Scale!

In 2024 we will catalog and index every financial news story written globally over the past 15-years. This will 100x the capabilities of our AI copilots and act as a fertile garden from which fine-tuned asset management LLMs will grow.

The not-so-secret ingredient needed to create truly knowledgeable AI copilots capable of adding value to *any* investment team is:

**Data. To be more specific, a lot of high-quality data that has been accurately catalogued and prepared for use by LLMs.**

We realized this in 2022 and in 2023, we built the infrastructure we need in order to catalog and prepare data at scale.

That infrastructure is in place. Now we are using it to catalog and prepare every financial news story from the past 15-years.

The organizations who will benefit the most from this work will be those that help us to build it. Hopefully, that includes you.

## Recent Thought Leadership



### Using Vector Search to See Signals in Company News

How we use vector search to extract investment signals from a multi-terabyte company news dataset that currently contains over 55 million embeddings, 150+ million sentences, 4+ billion words, and 5+ billion GPT tokens.



### News Sentiment Showdown: Who Checks Vibes Best?

A comparison of news sentiment classifications made by TextBlob, VADER, Flair, SigmaFSA, FinBERT, FinBERT-Tone, Text-Bison, Text-Unicorn, Gemini-Pro, GPT-3.5, GPT-4, and GPT-4-Turbo. We look at accuracy, time, and cost.



### A Pattern for NLP at Scale: Ensemble and Distil.

How to scale LLMs on a budget. We introduce a data design pattern we use extensively at Nosible. It's called ensemble and distil. We then demonstrate how this pattern can be used to scale an LLM-equivalent sentiment classifier.

[www.nosible.com](http://www.nosible.com)