



Big Data and AI Strategies

2019 Alternative Data Handbook

Global Quantitative and Derivatives Strategy

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See page 318 for analyst certification and important disclosures.

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25 October 2019

The J.P. Morgan Alternative Data Handbook is an extension to our [2017 primer](#) on applying Big Data and AI techniques to investment decisions. In this report we provide a **global directory of alternative data products and services**. The directory includes a **listing of alternative data products broken down by asset class and region**, and a list of alternative data vendors categorized by data source (e.g. data collected from individual activities, business processes, sensors.). Listings include links to the data vendors' websites, product descriptions, and the frequency, delivery method, format, and source of the data. In the introduction to the directory we analyze recent data usage trends in the investment world, and in the Appendix we summarize the results of a survey we conducted recently among data vendors around the globe.

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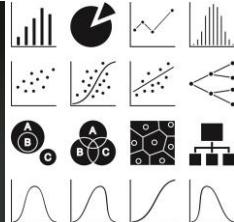
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INTRODUCTION

Introduction



The J.P.Morgan Alternative Data Handbook is an extension to our [2017 primer](#) on applying Big Data and AI techniques to investment decisions. In this report we provide a **global directory of alternative data products and services**. The directory includes a **listing of alternative data products broken down by asset class and region**, and a **list of alternative data vendors categorized by data source** (e.g. data collected from individual activities, business processes, sensors, etc.). Listings include links to the data vendors' websites, product descriptions, and the frequency, delivery method, format, and source of the data. In the introduction to the directory we analyze recent data usage trends in the investment world, and in the Appendix we summarize the results of a survey we conducted recently among data vendors around the globe.

What is Alternative Data?

Alternative data is data not typically used by practitioners and model builders and can be sourced typically from Individuals, Business Processes and Sensors. These data sets typically have minimal aggregation and processing making them more difficult to access and use.

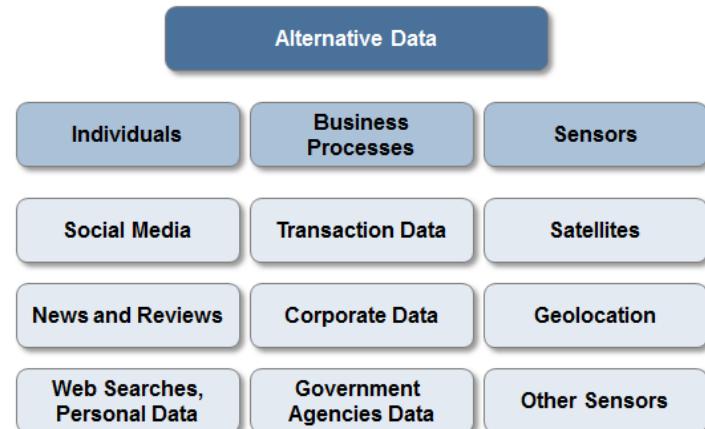
Classifications of Alternative Data Sets

At the core of the Big Data transformation in investment management are the new sources of data that can provide informational advantages. The advantage given by data can be in the form of uncovering new information not contained in traditional sources, or uncovering the same information but at an earlier time. For instance, satellite imagery of mines or agricultural land can reveal supply disruptions before they are broadly reported in the news or official reports.

In this section we aim to provide a framework or classification of Big Data. First, we classify data based on the manner in which the data was generated. Then we consider attributes of datasets that are directly relevant for investment professionals such as mapping datasets to an asset class or investment style, alpha content, quality of data, technical specifications, etc. In the next chapter of this report, we will cover different types of data in greater detail, discuss specific datasets and providers, and provide specific examples and tests of Big Data trading strategies.

We first classify data sources at a high level by indicating whether they were produced by individuals (such as social media posts), generated through business processes (such as e-commerce or credit card transactions data), or generated by sensors (such as satellite imagery, radar, etc.). Figure 3 below shows this classification. This approach expands upon earlier attempts in a non-financial context by Kitchin (2015) and in a United Nations report (2015). While this taxonomy is somewhat theoretical, there are common features, common methods to analyze and common challenges for data in each of these three categories. For instance, data generated by individuals are often in the unstructured textual format, and commonly require natural language processing. Sensor generated data tends to be unstructured and may require analysis techniques such as counting objects, or removing the impact of weather/clouds from a satellite image, etc. Many business generated datasets, such as credit card transactions and company 'exhaust' data have common legal and privacy considerations.

Figure 1: Classification of big/alternative data sources



Source: J.P. Morgan QDS

Data generated by Individuals: Mostly recorded through textual mediums, such data is often both unstructured and distributed across multiple platforms. One can further classify it into: 1) data from social media (websites like Twitter, Facebook, LinkedIn, etc.), 2) specialized sites such as business-reviewing websites like Yelp, E-commerce groups like Amazon, and Mobile app analytics companies like App Annie, 3) Web searches, and personalized data such as Google Search trends, data from personal inboxes, etc.

Data generated by Business Processes refer to data produced or collected by corporations and public entities. An important sub-category is transaction records such as credit card data. Corporate data can be a byproduct or 'exhaust' of corporate record-keeping such as banking records, supermarket scanner data, supply chain data, etc. Data generated by business processes is often highly structured (in contrast to human-generated data) and can act as a leading indicator for corporate metrics, which tend to be reported at a significantly lower frequency. Business process generated data can arise from public agencies; an

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example would be the large federal data pools made available online over the past few years by the US government.

Data generated by sensors: Mechanically collected data through sensors embedded in various devices (connected to computers, wireless and networking technologies). The data generated is typically unstructured and its size is often significantly larger than either human or process-generated data streams. The most well-known example is satellite imaging that can be used to monitor economic activities (construction, shipping, commodity production, etc.). Geolocation data can be used to track foot traffic in retail stores (volunteered smartphone data), ships in ports, etc. Other examples of sensors include cameras fixed at a location of interest, weather and pollution sensors, etc. Perhaps the most promising is the future concept of the Internet of Things (IoT) - the practice of embedding micro-processors and networking technology into all personal and commercial electronic devices.

After classifying data according to whether they were produced by individuals, business processes or sensors, we provide another descriptive classification that may be of more interest for investment professionals. For example, a Retail sector portfolio manager will care to identify store specific sales data, regardless of whether they were created by satellite imaging of a parking lot, volunteered customer geolocation data, or e-receipts in customers' inboxes. High frequency quant traders will care about all signals that can be produced on an intraday basis such as tweets, news releases, etc. but will care less about e.g. credit card data that come with substantial delays and are less broadly followed. Data quants will prefer to classify data based on methods used to collect and analyze them, such as the technology to retrieve data, treat outliers and missing values, etc. In this 'Investment Classification' we assign various attributes to each big/alternative data set. These are the attributes most relevant for investment professionals such as CIOs, Portfolio Managers, Traders and Data quants. The figure below shows this classification.

Figure 2: Attributes of an alternative data set

Asset Class	Investment Style	Alpha (Net of Cost)	Known	Stage of Processing	Quality	Technical Aspects
Equity	Macro	Viable Stand alone	Public Free of cost	Raw	History	Frequency
Commodity	Sector Specific	Viable In a Portfolio	Well Known	Semi Processed	Outliers	Latency
Credit	Stock Specific	Not Viable	Lesser Known	Processed	Missing Values	Format
Rates	Risk Indicator	Capacity	Proprietary Not Known	Trading Signal	Methodology Transparency	Robust API
FX	Quant Signal	Orthogonality	Limited Sales Deals	Research Piece or Alert	Support Structure	Conflicts and Legal Risk



CIOs and
Portfolio Managers
Quants and
Data Scientists

Source: J.P. Morgan QDS

The first attribute of a dataset is its relevance for 1) **Asset class**. Most Big Data are still focused on equities and commodities. There is relatively little alternative data on interest rates and currencies, making such data sets more valuable to select investors. In terms of 2) **Investment style** – most data are sector and stock specific and relevant for equity long-short investors. There is also a significant amount of data relevant for macro investors (e.g. consumer credit, China economic activity, shipping data, etc.). Certain alternative datasets can be used to substitute traditional metrics of market risk, and some signals are relevant only for e.g. high frequency quant traders.

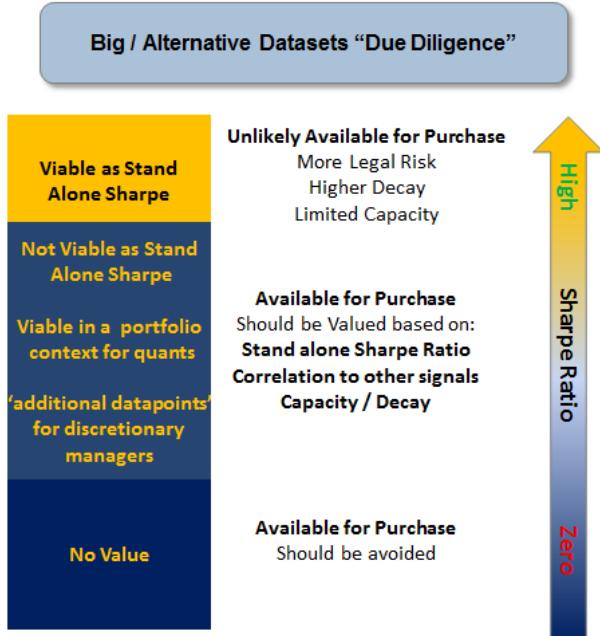
Perhaps the most important data attribute is its potential 3) **Alpha content**. Alpha content has to be analyzed in the context of the price to

purchase and implement the dataset. **Costs** of alternative datasets vary widely – sentiment analysis can be obtained for a few hundred or thousand dollars, while comprehensive credit card data can cost up to a few million USD a year. Trading strategies based on alternative data are tested, and Alpha is estimated from a backtest. These tests can find whether a dataset has enough alpha to make it a **viable standalone** trading strategy. These situations are rare. Most data have a small positive Sharpe ratio that is not sufficiently high for a standalone investment strategy. Despite this, these datasets are very valuable, as the signals can be combined with other signals to yield a **viable portfolio level** strategy. Investors should not be surprised to come across alternative datasets with no alpha content. In addition to alpha, one needs to **assess orthogonality** of the information contained in the

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dataset (is it unique to a dataset, or already captured by other data), as well as the potential **capacity** of a strategy based on the dataset. The figure below shows potential outcomes of an “alpha assessment” of a dataset

Figure 3: Information content of an alternative data set



Source: J.P. Morgan QDS

Closely related to the alpha content, is the question of **4) How well-known is a dataset**. The more broadly a dataset is known, the less likely it is to lead to a stand-alone strategy with a strong Sharpe ratio. **Well-known public datasets** such as financial ratios (P/E, P/B, etc.) likely have fairly low alpha content and are not viable as a standalone strategies (they may still be useful in a diversified risk premia portfolio). Most Big Datasets will be **less well-known** and new datasets emerge on a frequent basis. To assess how well a dataset is known, managers can ask the data provider about existing clients. Initial clients can influence the scope of data collection and curation affecting the subsequent customers. Initial clients can sometimes ask for **exclusive** or limited-sales deals, through which the provider commits to sell only to a pre-defined number of clients.

An important attribute of data is the **5) Stage of processing** of data when acquired. Fundamental investors prefer processed signals and insights instead of a large amount of raw data. The highest level of data processing happens when data is presented in the form of **research reports**, alerts or trade ideas. A lesser degree of processing comes when the provider sells a **signal** that can be directly fed into a multi-signal trading model. Most big/alternative datasets come in a **semi-processed format**. Such data is semi-structured with data presented in tabular (such as CSV) or tagged (such as JSON/XML) format. Semi-processed data still has some outliers and gaps, and is not readily

usable as input into a trading model. Its alpha content and mapping to tradable instruments needs to be assessed, and one needs to consider the economics driving seasonality, outliers, etc. Finally, **raw data** is likely to be of little use for most investors. For instance a satellite image file of oil tanks would be of little use for someone with no expertise in image processing, adjusting for seasonal and weather effects, or identifying types of storage, etc.

6) Quality of data is another important feature, especially so for data scientists and quants. Data with longer **history** is often more desirable for the purpose of testing (for satellite imagery typically > 3 years, sentiment data > 5 years, credit card data > 7 years; conversely, datasets with less 50 points are typically less useful). **Gaps or outliers** are an important consideration. If data has been backfilled, the method of imputation of missing values must be mentioned. It must be specified, if the missing data was missing at random or had patterns. Consider the case where we want to track oil storage inventory time-series at different locations. Missing data can be classified as: a) Missing completely at random (MCAR): missing value for storage has no relation to actual value of storage or location; b) Missing at random (MAR): certain locations tend to miss reporting storage levels regularly, but their omission of value does not stem from the actual value of storage at that location; or c) Missing not at random (MNAR): missing value of inventory has predictive connection to the level. **Transparent Methodology** is necessary to assess if the sample is representative of the total population, how it's adjusted for errors (e.g. credit card regional and demographic biases, satellite data corrected for weather effects, etc.). Alternative data has no standardized format; additionally, sampling methodology and understanding of the dataset often evolves. For this reason, data providers should have a **robust support structure** for clients. There are a number of **7) Technical Aspects** of a big and alternative datasets. **Frequency** of data: can be intra-day, daily, weekly, or even lower frequency. **Latency**: Data providers often provide data in batches, and a delay is possible either due to collection, operational or legal constraints. **Format**: the data must be extracted in a suitable format, preferably CSV or JSON for static data. The **API** (Application Programming Interface) should be robust. It should not fail or result in additional latency, and it should be flexible to accommodate different programming languages. There could be potential **conflicts of interest** if the data provider is trading using the dataset. **Legal and reputational risk**: usage of most of the alternative data sets carries little legal or reputational risk. However, clients should understand and even anticipate legal risks of buying information that is not available broadly

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Trends in Alternative Data Usage

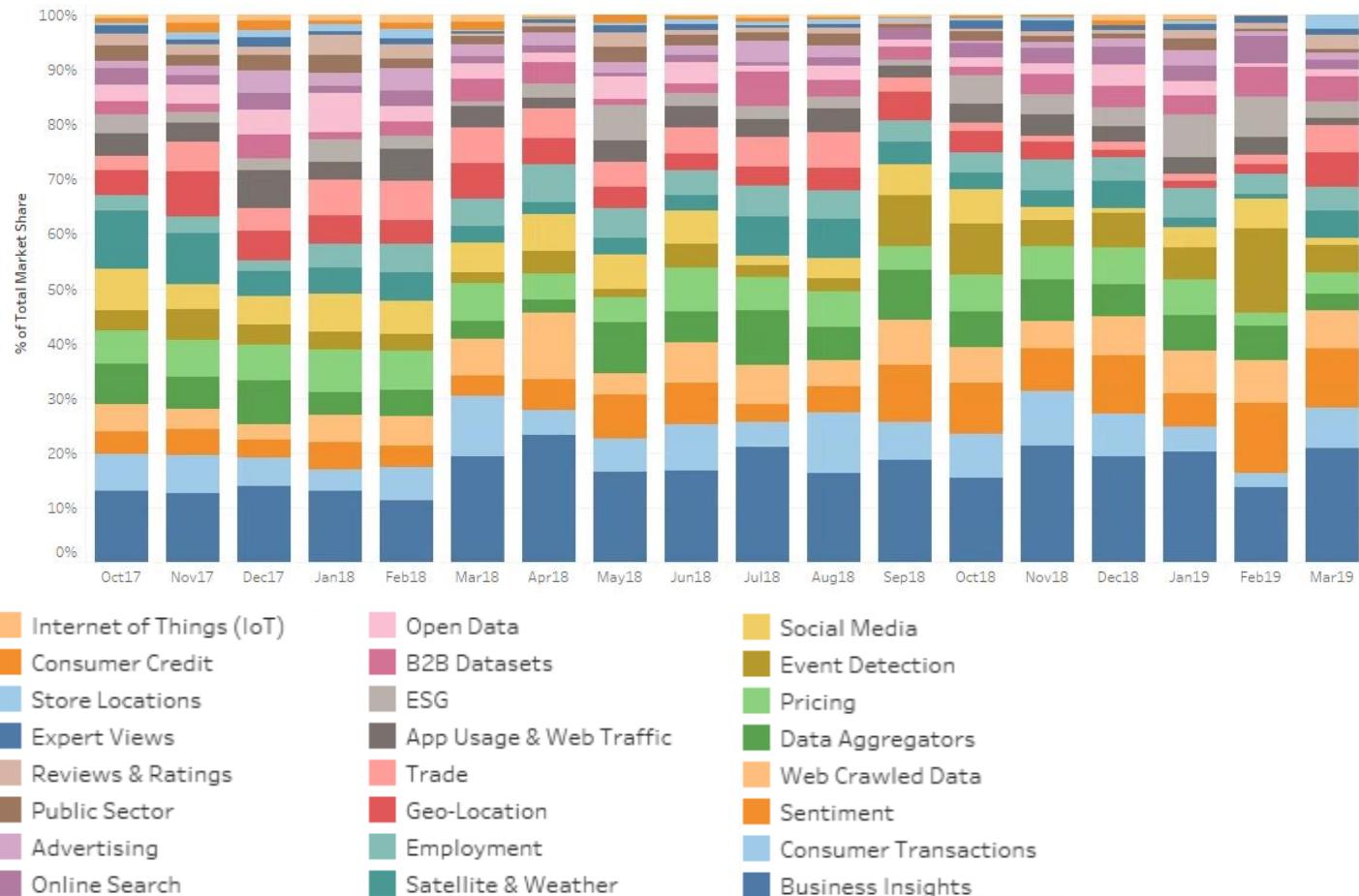
The three most frequently queried datasets on Eagle Alpha are:

- **Business Insights (172 datasets):** a heterogeneous group of datasets that provide unique insights into companies. One example is datasets that track intercorporate business connections. Other data providers track credit quality related business activity and/or apply machine learning techniques to large quantities of aggregated data in order to identify companies at risk of failing. Natural language processing algorithms applied to corporate communication text data also falls in this category.
- **Consumer Transactions (36 datasets):** this data can come from a variety of sources and can provide merchant level transaction data (e.g. retailer, airline, service provider), product level purchase data (e.g. food, beverages, electronics) and

macro level data. Some data sources, such as credit card transaction data, represent a large user base. Other data sources involve smaller panels, such as 2% of consumers, yet still provide reliable signals.

- **Sentiment (74 datasets):** scoring of news feeds and social media posts by sentiment and novelty is a popular data source, especially for quantitative funds, due to its relatively longer history and columnar time series structure. Sentiment scoring may be applied to investor commentary, consumer attitudes toward products and brands, or mainstream news feeds. Sentiment data providers, in addition to mapping articles to entities such as government agencies and publicly traded companies, may provide additional scores relating to topic novelty, relevance, price impact estimate, and momentum. Data can be applied to factor models or used ad hoc in momentum and contrarian trading strategies.

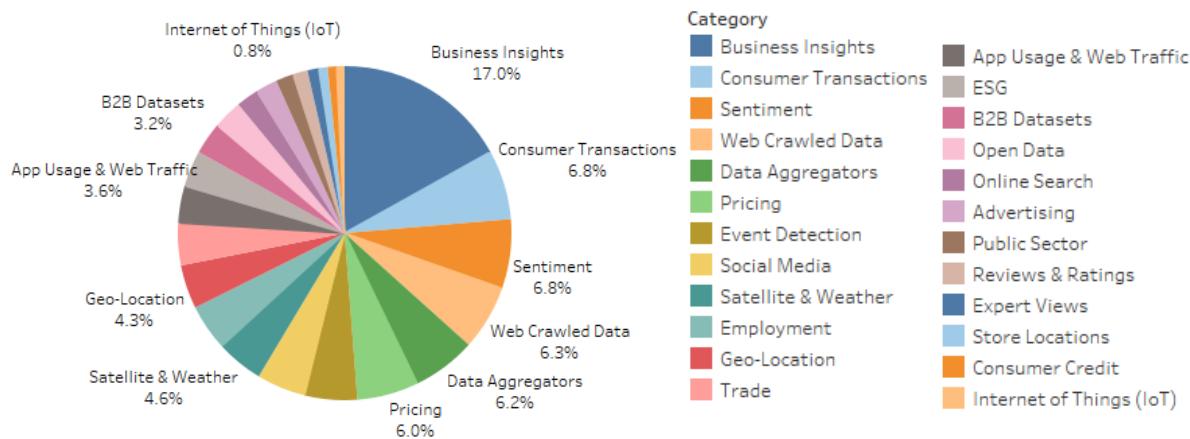
Figure 4: Market composition through time



Source: Eagle Alpha

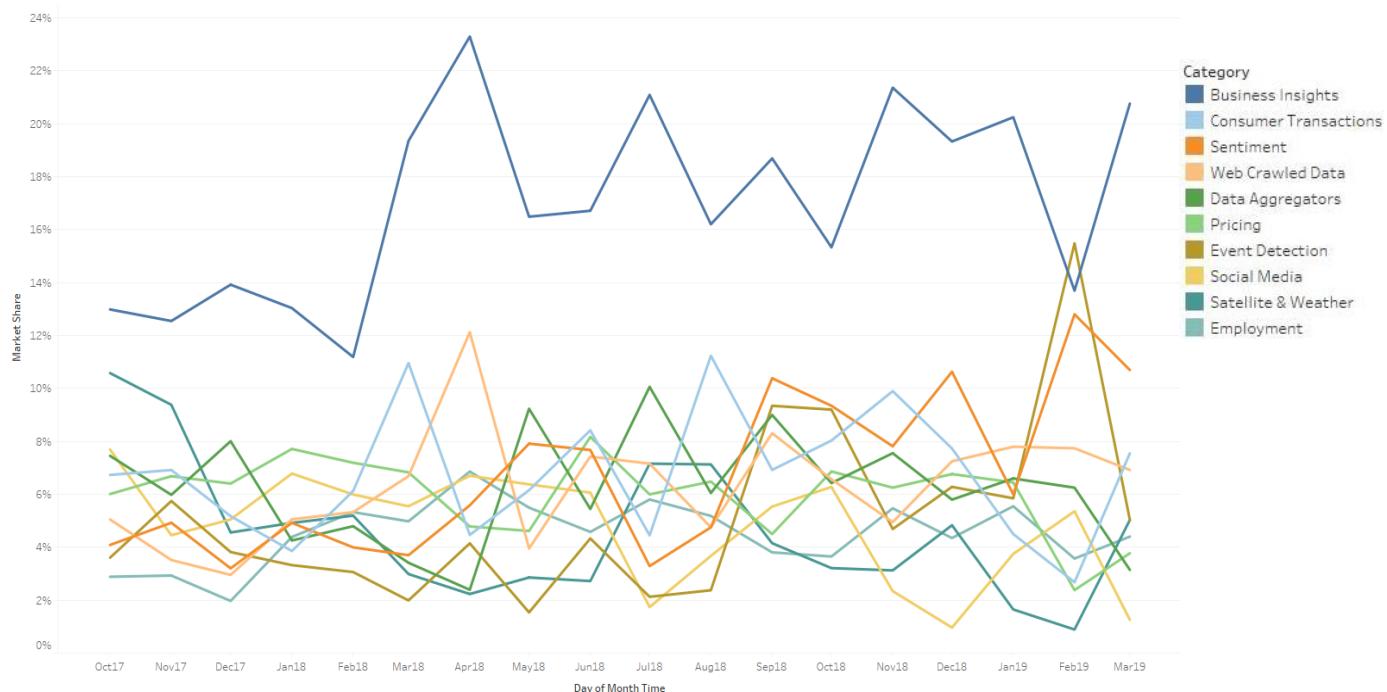
Introduction

Figure 5: Average market share of datasets



Source: Eagle Alpha

Figure 6: Interest change over time



Source: Eagle Alpha



J.P. MORGAN ALTERNATIVE DATA DIRECTORY

In this section we include our directory listing of alternative data products and vendors.

Alternative Data Directory

Alternative Data Products by Asset Class and Region

PRODUCT DESCRIPTIONS.....	13
EQUITY	13
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COMMODITY.....	63
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FIXED INCOME.....	153
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REAL ESTATE.....	164
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SME CREDIT	177
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Alternative Data Vendors by Data Source

DATA FROM INDIVIDUAL ACTIVITIES.....	205
DATA FROM BUSINESS PROCESSES.....	214
DATA FROM SENSORS	238
DATA AGGREGATORS	247
TECHNOLOGY SOLUTIONS (ALL ASSET CLASSES)	256

Note: J.P. Morgan has not vetted these for correctness or substantiated any of the vendor claims.

Alternative Data Directory – Products by Asset Class and Region

Product Descriptions

Equity

Equity/Global

Equity/Global/All

Company Name	Product Name	Product Description
Accern	Automate intelligent follow-ups	Accern automatically streams news topics within our clients' CRM system and notifies all relevant parties of new deals as they occur.
Accern	CMS NLP Content Integration	Accern automatically streams the news into the equity analyst's Content Management System (CMS). Equity analysts can operate from within their CMS and filter for relevant news to conduct faster, better research.
Accern	XYME	Machine learning modeling framework, allowing clients can use a variety of data sources to predict any KPIs, such as same-store sales, revenues, price movements, and more.
Acuris	Equities	Track equity markets as events happen and make sense of the fast-moving regulatory landscape.
Acuris	Fixed Income	Trusted data, news and analysis on the global credit markets.
Advan Research Corporation, LLC	Foot traffic data and Weather data	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies. (Contact: info@advan.us)
AggData	Datasets	It allows you to browse through our library of AggData by category.
AggData	Free Dataset Directory	Data similar to AggData, but free of charge.
AggData	Store Closings	This list of future store closings announced.
Alexa (Internets traffic company)	Audience Overlap	Find competitor sites, run a competitive analysis, and uncover ways to get in front of your audience.
Alexa (Internets traffic company)	Find Similar Sites	The Audience Overlap Tool helps you find similar sites based on shared audience and keyword overlap.
Alexa (Internets traffic company)	Site Comparisons	Identify industry leaders and discover trends with Alexa's Site Comparisons. Run a competitive website analysis to gain visibility into the performance of other sites.
Alexa (Internets traffic company)	Top 500 sites	The top 500 sites on the web ordered by Alexa Traffic rank.
Alexa (Internets traffic company)	Website Traffic Statistics	Website analysis to quickly gain insights into a site's strengths, weaknesses, and digital marketing opportunities.
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Analysis of financial text, emulating how a human financial professional would read and interpret the context of the information: who it is about, what the topics are, and how will it impact the asset (positive/neutral/negative). (Contact: info@alexandriatechnology.com)
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	The datasets contains the output Flags of our financial risk forecasting analytics (equity product range), these Flags provide hours or days advance warning of major directional market movements. (Contact: jeremy.sosabowski@algodynamix.com)
AlphaLetters	AlphaLetters, AlphaData	AlphaLetters helps investors build novel and profitable strategies by screening quantitative research by professors, researchers, traders worldwide. (Contact: info@alphaletters.com)
Alphamatician	Data Feeds	Datafeed for organisations that need to bring datasets into quantifiable models or other internal systems.
Alphamatician	Government Data	We collect data from numerous government data sources and map those datasets to individual entities.
Alphamatician	Hiring & Employment Dataset	Monitors hiring activity for thousands of public and private companies. This rich and flexible dataset includes job counts, job titles, job locations, and more.
Alphamatician	Social Media Dataset	Tracks social media statistics for thousands of companies. This includes metrics such as "likes" and "followers". Platforms include Twitter, Facebook, Pinterest, Instagram, and YouTube.

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
Alphamatician	Web Interface	Graphical web interface that provides access to numerous Alphamatician datasets.
Alphasense	Company Disclosures	Filings, transcripts presentations and press releases for 60,000+ global public companies and millions of private firms.
Alphasense	Dow Jones News & LexisNexis News & Journals	The world's most trusted business news and hundreds of trade journals covering all major industries.
Alphasense	Sell-side Research	Intelligently search, filter and monitor all broker research in one place, with the best NLP-based tagging in the industry.
Amass	Insights	With access to over 8 million datasets, Insights offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassisights.com)
App Annie	App Annie	App Annie Intelligence account, our customers can get early access to our newest innovations under development.
Audit Analytics	Accounting + Oversight	The Accounting + Oversight subscription is designed to illuminate the big picture of the audit and regulatory environment.
Audit Analytics	Audit + Compliance Data	The Audit + Compliance solution is composed of ten data modules and covers all SEC registrants. It is used daily by researchers around the world for market intelligence, due diligence, compliance monitoring and trend analysis.
Audit Analytics	Corporate + Legal	An integrated collection of databases focused on actions, disclosures, and correspondence by companies, advisors, regulators and investors.
Audit Analytics	Data Feeds	The Audit Analytics data sets are available individually as customized data feeds. The data feed license enables integration of the Audit Analytics data with internal information systems like CRM, compliance and risk management systems.
AYLIEN Limited	News API	Our News API uses machine learning and Natural Language Processing technology to aggregate, analyze and deliver news as an enriched data feed. We currently collect news content in real-time from about 40,000 sources in multiple languages and provide an ever growing flexible and searchable news dataset. (Contact: mike@aylien.com)
BMLL Technologies Limited	BMLL Platform	BMLL provides access to the deepest granularity of exchange data available. Collected directly from over 50 sources of data (equity exchanges, MTFs, futures and options exchanges, fixed income and FX venues), customers can access every event recorded by the matching engine. For example, every new order, cancellation, change in size, change in price and every execution is recorded as a separate event. BMLL makes this data available on a rental, pay-as-you-go model. (Contact: bencollins@bmlltech.com)
BrandWatch	Audiences	Audiences makes it simple to find groups of people based on what matters to you – their demographics, passions, professions, where they're based, and who they follow and engage with.
BrandWatch	CONSUMER RESEARCH	A new integrated product that combines the best of both companies' world-leading technology.
CargoMetrics	Global Cargo System	Analytics on a fleet of over 100,000 vessels transporting \$9 trillion of cargo annually among more than 150 coastal countries.
Data Provider	BRAND MONITOR	A powerful tool for discovering brand-infringing activities on the web, granting access to more data points.
Data Provider	DOMAIN MONITOR	The Dataprovider.com Domain Monitor shows newly registered and dropped domains based on your search query and sends you automatic updates about changes.
Data Provider	Private Crawl	Smart crawlers will return an exhaustive information index for every domain and website that belong to businesses, clients or customers.
Data Provider	Public Data	Utilize 200+ variables to create bespoke datasets. It's the data index that helps you find new business

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
		opportunities, understand your customer, and gain insights into your market.
Dataminr	Dataminr for Finance	Dataminr uses a proprietary classification system to build connections among thousands of companies, tickers, brands, and subsidiaries to feed relevant financial news.
DataPulse LLC	Internet infrastructure data	Actionable insights from Internet infrastructure data – globally and in real time. Includes tracking and trending of: connected vehicles, payment services, IOT devices; web transaction activities, & more. Leveraging a global sensor network that consists multiple data suppliers, verified public sources of data and an owned array of data collection and processing tools, DataPulse extrapolates the use of Internet-connected devices and services by looking at data reflecting how the Internet Infrastructure has been used. The data does not include PII. (Contact: sapienza@datapulse.global)
Edgar Online	Data Content Solutions	EDGAR® Online serves as the reporting engine for financial and regulatory filings for companies worldwide. This puts us in a unique position of having a huge repository of financial and company data.
Edgar Online	Data Factory	EDGAR Online has extensive experience processing financial disclosures and creating value added data sets as a result.
Edgar Online	DataFied API	EDGAR Online's new configurable API is advancing how financial data is consumed, delivered and analyzed and is transforming data points into constructive, valuable information.
Edgar Online	EDGAR®Pro	EDGAR®Pro is a research tool that enables investors, analysts, lawyers, auditors and corporate executives to access detailed company information, as-reported and standardized financial data as well as SEC filings, stock quotes, news and more.
Edgar Online	I-Metrix™	I-Metrix is an interactive data and analytic tool that provides quick and accurate XBRL-tagged financial statement data via Microsoft Excel® and an easy-to-use web interface for data downloads, simple and complex modeling and better, faster and smarter financial analysis and company research.
ENGAGE Research	Executive Search	ENGAGE is the world's first AI-powered platform to combine Talent Mapping, Competitive Intelligence, Passive Candidate Sourcing, and Outbound Recruiting in one brilliant Candidate Identification and Engagement engine.
ENGAGE Research	TALENT INSIGHTS	Automatically enrich your CRM, ATS, or HCM with predictive Talent Insights including Candidates or Employees Likelihood to Engage, likely Interest in your company, Personalized Messaging recommendations, Company Retention Risk, and Industry Outlook.
Equity Data Science	EDS Analytics Platform	An advanced analytics platform for fundamental investors (quantamental), which supports decision-making for stock selection, portfolio analytics, and risk management. Originally built inside of leading funds, EDS aggregates intelligence & solves challenges, such as improved idea targeting, alt data analysis, crowding analytics, position sizing, factor tilts, trade timing, etc. EDS can be your data scientist or be the solution to intelligently add insights to your investment process. (Contact: greg@equitydatascience.com)
ExtractAlpha	Digital Revenue Signal	Uses online engagement - web traffic, search volume, social media activity - to predict company revenue surprises. (Contact: info@extractalpha.com)
ExtractAlpha	Tactical Model	A stock selection model using short-horizon price and fundamental dynamics to forecast 10 day equity return. (Contact: info@extractalpha.com)
FactSet Revere	RBICS – Extended Universe	Includes single-sector mappings for approximately 3 million private and public companies, on a current-only basis, at Level 4 of the RBICS taxonomy.
FactSet Revere	RBICS – Focus	Includes single-sector mappings of approximately 48,000 of the most-liquid and publicly-traded companies based on their primary lines of business.
FactSet Revere	RBICS – Revenue	Includes a multi-sector mapping of approximately 45,000 of the most-liquid and publicly-traded companies. Revenue percentages associated with each reported business segment are standardized into the most granular sectors of the RBICS taxonomy.
FactSet Revere	RBICS – Tradenames	Includes 170,000 products/services (Tradenames) associated to each line of business within the RBICS company universe.

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
Factual	Places	Factual Places helps businesses utilize high quality, extensive global data on more than 130 million places/points of interest across 52 countries in 475+ categories to derive insights on retail-focused public market equities. (Contact: may@factual.com)
GDELT Project	Documentation	You'll find all of GDELT's documentation in this section, from user manuals to codebooks, lookup files to normalization spreadsheets.
GDELT Project	GDELT Analysis Service	Free cloud-based service that offers a variety of tools and services to allow you to visualize, explore, and export GDELT - a great way to get started using GDELT for the first time.
GDELT Project	Google BigQuery	Google's BigQuery database was custom-designed for datasets like GDELT, enabling near-realtime adhoc querying over the entire dataset.
GDELT Project	Raw Data Files	Advanced users and those with unique use cases can download the entire underlying event and graph datasets in CSV format.
GeoWiki	Land cover validation	Applications of Geo-wiki go beyond simply improving land cover. An application helps to predict future deforestation in Central Africa, combining five existing cropland data sets from sub-Saharan Africa to create a new map which has higher accuracy than existing maps.
GNIP	Ads API	The Ads API gives partners a programmatic way to integrate with the Twitter Ads platform.
GNIP	Data products - APIs	APIs allow testing an integration, validating a concept, or creating solutions and include posting content to Twitter and getting data not available in high volumes.
GNIP	MoPub	This network mediation solution and mobile programmatic exchange helps publishers maximize ad revenue while maintaining control of the user experience.
Grandata	Social Universe	Social Universe combines an easy-to-use visual experience with a powerful Human Dynamics engine to help business users identify market opportunities and key behavioral signals.
Heckyl	FIND DeepSearch	Discovery is the key focus of Heckyl DeepSearch. Heckyl big data engine mines Public, Private and Proprietary data sources to help you analyse, connect and discover the next big opportunity.
Heckyl	FIND News Analytics	Our revolutionary technology - with sentiment-tagging, news-clustering and discovery engine - does all the heavy lifting for you and helps you make sense of millions of raw news data points.
Heckyl	FIND Price Analytics	The il Supremo Price Analytics platform awaits you. Analyze and trade different asset classes with never-seen-before visuals that enable you to get first-hand insights to make the best trade decisions instantly and smartly.
Here	HERE Automotive	It is a Connected Vehicle Service keeping vehicles, and drivers alert.
Here	HERE Location Services	Based on one of the strongest mapping platforms in the industry provides advanced location algorithms for complex industry use cases providing fleet telematics, geocoding, geo visualization.
Here	HERE Map Content	Cutting-edge mapping solutions with accurate cellular network information along roads.
Here	HERE Traffic	Precise, dynamic data to understand road conditions in real time.
Here	Tracking & Positioning	Accurately tracks people, devices and things with or without GPS.
Inferess	Global Economic Map	Economic flow between companies as a fully characterized network for solutions across Investing, Wealth Management, Trading and Institutional Research.
Inferess	Inferess Quantified News	News transformed into a feed of highly structured machine readable indicators plugging into investment strategies and risk models delivering both unpredictable and scheduled events.
Informa Financial Intelligence	EPFR	EPFR tracks Fund Flow and Asset Allocation data, giving clients a view of investor and manager sentiment globally. (Contact: todd.willits@informa.com)
Irisys	Estate Manager	Estate Manager from Irisys is a powerful people counting device and estate management platform that can be used to configure and maintain your network of people counters installed all around the world.

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
Irisys	Gazelle 2 Thermal People Counter	The Gazelle 2 is the latest update to the popular Gazelle range of Irisys thermal people counters.
Irisys	In-store Retail Analytics	In-store retail analytics is the practice of gathering data from your retail store and then analysing it to provide insights and better understanding of your customers, how they use your store and ultimately how your retail store performs.
Irisys	Vector 4D People Counter	The Irisys Vector 4D is an advanced people counter with high count accuracy.
ISS Analytics	ISS Analytics	Director compensation, Voting records and Meeting results, and ISS Governance QualityScore.
Jettrack.io	JetTrack	10 Years of ownership and flights, for current and acquired companies.
ktMINE	ktMINE Agreements App	ktMINE Agreements is your go-to resource when questions around license agreements arise.
ktMINE	ktMINE Commercialization App	The ktMINE Commercialization App allows you to instantly see the top inbound market participants that are actively acquiring technologies and the top outbound participants selling relevant technologies.
ktMINE	ktMINE Patents App	Through ktMINE Patents, find technologies that have been licensed to use as benchmarks of value. Instantly access royalty rates from a set of licensed patents, eliminating hours of work searching through agreements to calculate ranges.
ktMINE	ktMINE Profiles App	ktMINE Profiles significantly reduces research time, maximizes your analysis power, and strengthens business decisions by the ktMINE Profile's dashboard which gives immediate access to critical business intelligence.
ktMINE	ktMINE Royalty Rates App	ktMINE identified over 115,000 agreements and sifted through each to find agreements with disclosed rates, users have access to the full-text of each document. After quickly locating comparables, export easily digestible summaries of each agreement.
Lexalytics	Lexalytics Intelligence Platform	A full-stack business intelligence solution focused on drawing insights from unstructured text data.
Lexalytics	Salience	Lexalytics state of the art natural language processing engine on your own hardware.
Lexalytics	Semantria API	Lexalytics' Text and Sentiment Analysis, in the cloud.
LikeFolio	Coverage List	LikeFolio Pro members get access to unlimited on-demand research requests on these companies.
LikeFolio	Daily Stock Bits	LikeFolio analyzes social media data to accurately predict shifts in consumer spending before Wall Street notices.
LikeFolio	Insights Blog	Data-driven analysis of consumer brands that capture recent news headlines.
LikeFolio	Knowledge Base	The research page of the LikeFolio Research Dashboard is a powerful view into the social data behind a company's brands and products.
Lucena Research	Data Analytics Suite	Lucena's Data Analytics Suite for financial markets provides validation and acceleration of your offerings to your addressable market.
Lucena Research	Model Portfolios	Lucena provides proven model portfolios that use big data and AI with impressive performance. Each strategy is carefully crafted and designed using the latest innovations in quantitative finance and predictive analytics.
Lucena Research	QuantDesk®	QuantDesk allows you to form and validate a quantitative investment approach with a user-friendly interface.
Lucena Research	Quant-For-Hire	Our talented Quant-for-hire team will help validate your data and implement your unique investment approach with industry knowledge and best practices.
Lucena Research	Smart Data Feeds	Cohesive daily signal feeds consisting of a derived value from multiple independent datasets.
MarketPsych Data	MarketPsych Fundamental Sentiment indexes	The MarketPsych Fundamental Sentiment (MFS) model is a stock ranking system. The system scores individual U.S.-domiciled stocks using media sentiment. A weighted composite of sentiments from Refinitiv's MarketPsych Indices (RMI) underlies MFS. RMI is the global standard in media sentiment data that contains a diverse array of sentiment and thematic indices. RMI's topical sentiments including corporate fundamentals, earnings, analysts, management, and price sentiment are aggregated to create the final daily MFS score. The

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
		goal of MFS is to provide a single sentiment score that summarizes media outlook and is indicative of underreaction to new information. The MFS model has structural similarities to StarMine models. MFS is intended to complement traditional factors with a quantitative assessment of market sentiment. (Contact: info@marketpsychdata.com)
MarketPsych Data	MarketPsych Indices	We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minutely, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation. (Contact: info@marketpsychdata.com)
MatterMark	Lead Enrichment	Mattermark's unique Growth and Mindshare scores help to prioritize the companies that are rapidly scaling or primed for new round of funding.
MatterMark	List Building	Mattermark offers an extensive list of data points for millions of private companies across many industries.
OpenstreetMap	Public GPS traces	OpenStreetMap represents physical features on the ground (e.g., roads or buildings) using tags attached to its basic data structures (its nodes, ways, and relations). Each tag describes a geographic attribute of the feature being shown by that specific node, way or relation.
Percolata	Cloud-based Forecasting	Percolata uses proven machine learning techniques to predict future occupancy. Some sources of data that Percolata uses to predict future store traffic include occupancy history, online traffic, POS history, marketing calendars and weather.
Percolata	Corporate Analytics Dashboard	Percolata's integrated corporate analytics dashboard empowers store managers and district managers to visualize data around sales, costs, and store traffic and make smarter decisions in real-time.
Percolata	Employee Availability App	Percolata's mobile app allows retail associates to view their assigned shifts, request time off, swap shifts with co-workers and opt-in to open shifts for stores in their area.
Percolata	Mobile-First Solution	Percolata is an integrated solution that uses data from employees, traffic sensors, marketing calendars, historical data, and more to automatically schedule employees when customers are actually shopping.
Percolata	Traffic Sensors	The sensors are able to count customer occupancy instead of counting customer in and out counts as many leading competitors do.
Placed	APP MONETIZATION	By using the Placed Affiliate SDK, you will start turning location into monthly revenue. Placed measures mobile device information, including location, for market research purposes.
Placed	MOBILE TARGETING	Placed Audiences uses location / visitation patterns as the core understanding of consumers. Combining location with consumer demographics, mobile devices, and apps usage makes for the most accurate and scaled audience targeting capability available.
Placed	Placed Attribution	Placed Insights, which measures 140 billion locations a month from over 150 million devices, is the foundation for Placed Attribution Using the Place Graph®, Placed is able to incorporate markers representing exposure to omnichannel advertising and attribute that back to an in-store visit.
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
PriceStats (Billion Prices Project)	INFLATION SERIES	PriceStats measures inflation in 22 economies on a daily basis using online prices.
PriceStats (Billion Prices Project)	PPP SERIES	The PPP Series measure real exchange rates (RERs) for targeted economies with respect to the US.
RavenPack	RavenPack Analytics	Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
		<p>and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis.</p> <p>(Contact: gdallen@ravenpack.com)</p>
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	<p>RepRisk's flagship product, the ESG Risk Platform, is the world's largest due diligence database on ESG and business conduct risks, and serves as the foundation for all our products and services. The Platform supports data-driven decision-making by leveraging proprietary quantitative data (risk metrics and analytics) and extensive qualitative research for companies, projects, sectors, countries, ESG issues, NGOs, and more. It is delivered as a Software as a Service, with a user-friendly interface and access at any time, from anywhere. RepRisk Data Feeds are customized exports of RepRisk's proprietary risk metrics and analytics that are integrated into your internal systems. They are delivered in CSV or XML format via a secure FTP, on a daily, weekly, or monthly basis.</p> <p>(Contact: indira.abraham@reprisk.com)</p>
Reputate	Deep Search	Deep Search automatically annotates your data with semantic information, including relevant entities, topics and entity-specific metadata.
Reputate	Excel Upload	Upload your Excel worksheet and have Reputate email you a complete analysis of your text.
Reputate	Reputate Server	Reputate Server scales out as your text analytics needs grow.
Reputate	Text analytics	Using both sentiment and semantic analysis, Reputate can handle any social media.
Reputation Refinery	Google Reputation Repair Services	Helps individuals and companies to clean up their search engine results page and present a better reputation to those searching their name.
Reputation Refinery	Online Reputation Audit & Action Plan	Audit to show how to improve your brand.
Reputation Refinery	Online Reputation Management	Reputation experts who help identify the voice, locate the customers, and build a brand for the business.
Return Path	AppBuddy	All the data you want in a single, editable grid. For any user, team, or custom process.
Return Path	BriteVerify	BriteVerify Email Verification ensures that an email address actually exists in real-time without ever sending a message.
Return Path	Demand Tools	With its feature-rich data quality toolset, you can use DemandTools to cleanse, standardize, compare records, and more.
Return Path	DupeBlocker	DupeBlocker integrates within your existing Salesforce workflow to prevent duplicates.
Return Path	PeopleImport	Stop duplicates at the source with flexible and advanced matching algorithms to streamline the import process.
ScrapeHero	Data as a Service	We are a custom alternative data provider. Fully managed enterprise-grade web scraping service. (Contact: hello@scrapehero.com)
Scutify	Sentiment Rankings	Our Sentiment Indicator can really help you gauge what other people are thinking about certain stocks and whether the community is bullish, bearish or sitting on the fence.
Scutify	Trending Top 100	The Trending 100 consists of stocks that have been socially active on Scutify over the past 3 days.
Selerity	Real-time Event Data	Market-moving factual information from public only sources using real-time search & extraction.
Selerity	Selerity Context	A.I. powered contextual search & personalization service for platforms serving financial professionals and retail investors.
SentiFi AG	SentiFi Data Analytics	SentiFi Data Analytics provides analytics from social media, news articles and blogs, combined with financially relevant market data, that can shape investment strategies and help monitor the risk inherent in a portfolio. Our customers use these insights to make better investment decisions, often ahead of the markets. (Contact: alessio.biribicchi@sentiFi.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	SESAMm aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages... Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies. (Contact: enquiries@sesamm.com)
ShareThis	Email List Builder	Email list builder is a simple and effective method for growing your website's email list.
ShareThis	GDPR Compliance Made Easy	A simple and streamlined way to confirm a user's initial acceptance or rejection of cookie collection.
ShareThis	Share Buttons	The ShareThis button is an all-in-one widget that lets people share any content on the Web with friends via e-mail, AIM, or text message.
ShareThis	Social A/B	Social A/B connects directly to your Facebook page and Facebook Ads Manager, enabling you to orchestrate all of your tests from our platform.
ShopperTrak	Professional Services	Position the use-case for traffic and conversion data across marketing, operations, IT, and merchandising.
ShopperTrak	ShopperTrak Academy	ShopperTrak Academy is a series of on-demand, online training courses for conversion training for various user groups to fully leverage traffic data.
ShopperTrak	Shopping Center Solutions	Accurately count shopping center traffic to explore new leasing models, optimize your retail spaces and ensure you have the right tenant mix by zone.
Social Market Analytics	S-Factors™	An SMA alarm based on Delta or S-Score would have provides an alert to breaking news.
SpaceNet on AWS	SpaceNet	A corpus of commercial satellite imagery and labeled training data to foster innovation in the development of computer vision algorithms. The current SpaceNet corpus includes approximately 1,900 square kilometers full-resolution 50 cm imagery collected from DigitalGlobe's WorldView-2 commercial satellite and includes 8-band multispectral data.
StockTwits	Stocktwits Daily Rip	Round up of Stocks and stories moving the Markets.
SumZero, Inc.	SumZero Datafeed	The SumZero Datafeed provides programmatic access to meta-data derived directly from the content created by SumZero's exclusive buy-side research network. (Contact: sim@sumzero.com)
SuperFly	Superfly Technology	Superfly is collecting data from the world's largest set of permission-based accounts, as we provide advanced data extraction, normalization, and predictive analytics to create elaborate anonymous profiles.
TheySay	Evamind	Harnesses large-scale connected data to learn what shapes business.
TheySay	MoodRaker	Helps discover the real value and impact behind every tweet, review, remark, and online talking point.
TheySay	PreCieve API	Enrich raw text data and reveal all its hidden insights.
Tick Data	Global Market Data	Tick by tick level 1 quotes (best bid/asks per exchange) for Equities, Futures, Options, FX and Cash Indices.
Tick Data	Reference Data	Corporate Actions, Equity Symbol Map, Historical Calendar Information.
Tick Data	Targeted Data Solutions	Transaction cost analysis and Market Surveillance solutions.
TrustedInsight	Daily Digest	Provides news for Alternative Assets.
Wall Street Horizon	Core Events Calendar	Wall Street Horizon provides institutional traders and investors with forward-looking corporate event data including our flagship Core Events Calendar. Covering more than 7,000 publicly traded companies, the dataset includes: upcoming earnings dates/timing/confirmation status, announced dividends dates/amounts, announced split dates/ratios, earnings conference call/webcast dates/times and access and shareholder/board meeting dates. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	EventBreaks	EventBreaks covers event revisions for more than 40 corporate event types across 7,000 global equities. Examples include earnings date changes, investor conference presenter and date changes, shareholder

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Product Description
		meeting changes and more. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	Historical Archived Events Data	Historical archived events data provides rich historical data for strategy development and model back-testing. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	Investor Event Calendar	Calendar of company participation in buy/sell side conferences as well as analyst days/investor meetings. Event types include: analyst days/capital markets days, business updates, company travel, conferences, forums, R&D days, seminars, summits, tradeshows, workshops. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	Wall Street Horizon Enchilada	Enchilada, the customizable web-based application, rolls up all the corporate events for 7,000 global equities in one convenient location. In addition, with the Enchilada API, Wall Street Horizon clients have an easy and efficient way to build applications around more than 40 data types. (Contact: kryan@wallstreethorizon.com)
Wikimapia	Mapping project	Aimed at marking all geographical objects in the world and providing a useful description of them. It combines an interactive web map with a wiki system. Both registered users and guests have already marked over 20,000,000 objects and this number grows every day.
Woodseer / Investment Tools Ltd	Woodseer Dividend Forecast Data	Our dividend forecast dataset runs ahead two full fiscal years with forecast amounts and dates for over 24000 securities including equities, ADRs and ETFs. We receive partner EDI's daily global corporate actions data (among other sources) and apply our proprietary algorithm to predict forward. Our London based analyst team review and in this way we achieve both huge scale / coverage and strong accuracy. Our accuracy is constantly evolving as automate and codify rule into our prediction software. (Contact: ed.dean@woodseer.global)
World Bank	DataBank	DataBank is an analysis and visualisation tool that contains collections of time series data on a variety of topics. You can create your own queries; generate tables, charts, and maps; and easily save, embed, and share them.
World Bank	Microdata Library	Provides access to data collected through sample surveys of households, business establishments or other facilities.
World Bank	Open Data Catalog	Provides a listing of available World Bank datasets, including databases, pre-formatted tables, reports, and other resources.
World Bank	Open Finances	Explore raw data about the World Bank Group's finances, including disbursements and management of global funds.
World Bank	World Development Indicators	The primary World Bank collection of development indicators, compiled from officially-recognized international sources.
Yodlee	AI FinCheck	AI FinCheck™ helps consumers build smarter habits and systems to reach their financial goals. It also enables Financial Service Providers (FSPs) to optimize the customer experience, maximize engagement and loyalty, and increase share of wallet.
Yodlee	Conversational AI	Financial Service Providers (FSPs) can connect with consumers on any device, using natural language processing across all major conversational ecosystems, to efficiently and effectively guide consumers down the path to financial wellness.
Yodlee	Data Analytics for Credit	With Envestnet Yodlee Data Analytics, your credit risk models become more powerful and enable less risky lending decisions.
Yodlee	Financial Data Aggregation	The most comprehensive and accurate data in the market in category accuracy and reconciliation for FinTech and wealth use cases.
Yodlee	Transaction Data Enrichment	Envestnet® Yodlee® Transaction Data Enrichment changes the game by turning ambiguous transaction information into clear, contextualized data, allowing financial institutions to extract deep insights into customer needs and behaviors and enabling them to improve the customer journey and drive more meaningful interactions.

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Automotive

Company Name	Product Name	Product Description
IHS Markit	Research Signals Automotive Factor Suite	Proprietary industry-specific signals designed to predict global automotive stock returns. Systematically score stocks based on a number of metrics specific to the automobile industry. (Contact: timothy.barello@ihsmarkit.com)

Equity/Global/Consumer Discretionary

Company Name	Product Name	Product Description
AllTheRooms	Alternative Accommodations Market Performance	Performance metrics for the alternative accommodations market, particularly alternative non-hotel inventory on Airbnb, Homeaway, etc. (Contact: wpearson@alltherooms.com)
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)
Orbital Insight	GO Consumer	Mitigate asset risk and gain unprecedented transparency into consumer staples and discretionary industries by monitoring the latest foot traffic across 300,000 U.S. retail locations. Orbital Insight illuminates supply chain operations in near real-time across global manufacturing operations of consumer goods.
Rakuten Intelligence	Hospitality and travel	Rakuten Intelligence has the data and insights you need to take action on changes in consumer trends to understand consumer travel preferences, loyalty, and affinities.
Rakuten Intelligence	Retailers and brands	Provides the essential data you need to win in the dynamic and increasingly critical e-commerce channel with longitudinal behavior from item-level transactions across all devices.
Re-analytics	Fashion Luxury GoodsFull Intelligence Platform Access	Granular data access to RE Analytics metrics on the sector, such as promotion patterns in products, share of shelf variation in the market, price discipline, high-margin distribution channel presence vs low-margin channel presence, growth/decline of assortment in wholesale marketplaces, SEO and SEM estimates.
Re-analytics	Luxury good stocks	RE Analytics is a big data boutique based in Milan, Italy. We streamline alternative data for investment and business intelligence.
RetailNext	Aurora	Powering the retail revolution with the industry's widest field of view and integrated AI.
RetailNext	In-Store Marketing	Activity and flow to gain full visibility into the shopper journey.
RetailNext	Merchandising	Integrate collections, launch and promotional calendars to easily understand the performance of each event and its' ultimate impact on conversion and Average Transaction Value (ATV).
RetailNext	Retail Loss Prevention	Investigate efficiently by viewing live and recorded video for any store at any time. Save relevant clips without sacrificing bandwidth, and with one-click, export data including watermarked video or snapshots.
RetailNext	Retail Operations	Integrate traffic data with in-store POS feeds to provide key performance metrics — such as conversion rates — across all stores, in real-time.
Sandalwood Advisors Ltd	Exclusive Alternative Data	Tracks Asia consumer spending in real-time. Card data, E-commerce spending data (Nike vs Adidas in Asia), Department store data, Supermarket data, Export, Social Media data, and Live streaming data. Useful for funds who is happy to invest to gain an information edge. (Contact: Tony.Ho@SandalwoodAdvisors.com)
Vertical Knowledge	VK Data Subscriptions	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)
YipitData	Brands in China	YipitData provides investors with key sales metrics of companies and their associated brands on the Tmall

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Consumer Discretionary

Company Name	Product Name	Product Description
		platform, the top 20,000 brands (private and public) are ticker mapped to over 600 public companies. Our monthly data, starting from October 2015, can be analyzed to track company and brand level China e-commerce sales to understand key trends in the space, competitive brand analysis and identify sales inflections. (Contact: jwhite@yipitdata.com)
YipitData	Groupon (GRPN)	YipitData provides investors with data on gross billings and units sold for GRPN's North America (NA) business broken down into Local, Travel and Shopping (Goods) categories. Our systems are also designed to track the number of claims for Groupon+. (Contact: jwhite@yipitdata.com)
YipitData	Intl Delivery: JE, DHER, TKWY, Deliveroo, UberEats	YipitData provides data on active restaurant inventory for five of the largest international online delivery providers, including Just Eat (LON:JE), Deliveroo, Uber Eats, Delivery Hero (ETR:DHER) and Takeaway.com (AMS:TKWY). Our coverage is globally comprehensive for Deliveroo, Uber Eats and Takeaway.com; our Just Eat data covers all markets but Brazil and Mexico; Delivery Hero data covers Germany (Lieferheld, Pizza.de), Sweden (Pizza.se), Middle East (Talabat), Turkey (Yemeksepti), LatAm (Pedidosya) and Foodpanda (Global) (Contact: jwhite@yipitdata.com)
YipitData	OTAs (BKNG, EXPE, Airbnb)	YipitData provides investors with data on gross reservations, active properties, and total bookable rooms from BKNG, EXPE and Airbnb, with room-night estimates for EXPE and Airbnb. Our EXPE system also includes inventory and listings data on HomeAway. (Contact: jwhite@yipitdata.com)
YipitData	SEA Limited (SE)	YipitData provides investors with insight into GMV, orders and other related data across Shopee's seven geographies as well as competitive dynamics with Tokopedia and Lazada Indonesia. We track GMV, units sold, and average selling prices segmented by shop and item level groupings such as country, item category, shop type, and the month a shop joined the site for Shopee. We also track gross orders on the Shopee marketplace which has backtested to within 2% of the company reported metric. On Garena, we track the daily downloads by country of the different mobile games published including Free Fire, and Speed Drifters. (Contact: jwhite@yipitdata.com)
YipitData	Shopify (SHOP)	YipitData provides investors with data on Shopify's subscription solutions business by identifying and tracking Shopify merchants. Our merchant data currently includes the distribution of total merchant count cohorted by Plus vs. Non-plus, estimated join date, and website traffic rank along with each cohort's respective churn/retention rates. We provide a proprietary data driven Merchant Churn/Retention model which uses our churn/retention data and our monthly gross adds estimates to forecast year end merchant count and MRR. We can also provide competitive analysis with data on which platforms merchants are coming from and churning to. (Contact: jwhite@yipitdata.com)

Equity/Global/Consumer Staples

Company Name	Product Name	Product Description
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)
Mavrx	Taranis	A full-stack solution for high precision aerial surveillance imagery to prevent crop yield loss due to insects, crop disease, weeds, and nutrient deficiencies.
Sandalwood Advisors Ltd	Exclusive Alternative Data	Tracks Asia consumer spending in real-time. Card data, E-commerce spending data (Nike vs Adidas in Asia), Department store data, Supermarket data, Export, Social Media data, and Live streaming data. Useful for funds who is happy to invest to gain an information edge. (Contact: Tony.Ho@SandalwoodAdvisors.com)
Vertical Knowledge	VK Data Subscriptions	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Consumer Staples

Company Name	Product Name	Product Description
		compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)
YipitData	Brands in China	YipitData provides investors with key sales metrics of companies and their associated brands on the Tmall platform, the top 20,000 brands (private and public) are ticker mapped to over 600 public companies. Our monthly data, starting from October 2015, can be analyzed to track company and brand level China e-commerce sales to understand key trends in the space, competitive brand analysis and identify sales inflections. (Contact: jwhite@yipitdata.com)

Equity/Global/Energy

Company Name	Product Name	Product Description
Acuris	Infrastructure	Real time financing and trading news and data for global infrastructure.
CargoMetrics	TruFreight	Real time data driven Freight Pricing.
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)
MariTrace	MariData	MariData systematically tracks the worldwide movements of over 50,000 commercial ships between 7,500 ports. The data set is a record of every individual cargo movement, including details on the load and discharge port, and an estimate of the type and tonnage of the cargo on board. (Contact: w.ellison@mariatrace.com)
Orbital Insight	GO Energy	Access the most accurate oil storage numbers, covering 6 Billion barrels of global oil storage capacity. Orbital Insight delivers objective, transparent, and timely crude oil volumes sourced from one empirical methodology to provide daily inventories for the globe, down to the granularity of Wink, Texas.

Equity/Global/Financials

Company Name	Product Name	Product Description
7Park	FINANCIAL SERVICES	7Park Data develops Leading Performance Indicators for the most sophisticated fundamental and quantitative investment firms.
ENGAGE Research	Financial Services	An AI-Powered Talent Targeting and Engagement Engine for Brilliant Recruiters in Finance.
FactSet	Open:FactSet Marketplace	Expand your insight with the Open:FactSet Marketplace, the destination for best-in-class data and solutions that give investment professionals an edge.
InformaFinancialIntelligence	Banking	Client Engagement Research, Delivery Channel Research, Financial Institution Product and Pricing Data, Peer Benchmarking, and Targeted Advertising.
InformaFinancialIntelligence	Investment and Asset Management	Asset allocation, planning and analysis, equity market liquidity research, fund flow and allocations data and insights, FX and rates insights, investment manager analysis and reporting, money market fund insights, primary bond market insights, private placement data and analysis, and strategic marketing solutions.
InformaFinancialIntelligence	Wealth Management	Asset allocation, planning and analysis, custom investment proposal creation, factsheet production, GIPS investment composite management, investment and wealth performance reporting, investment manager research, investment policy statement compliance, separately managed accounts data.
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram,

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Financials

Company Name	Product Name	Product Description
		YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)
M&A Portal	zephyr	Zephyr contains information on M&A, IPO, private equity and venture capital deals and rumours.
OTAS	Equity Analytics	OTAS is a suite of equity analytics that intelligently alerts you to opportunities, exceptions, and risks in global stock markets. Alerts are specific to what matters to you, delivered in real time and in plain English.
Owl Analytics	ESG Data	ESG Data provider.OWL Analytics is the only data and index provider founded completely in sustainability — it is the very root of our business, not just a branch. It's been said that all investments have impact; the power of the market means every dollar you invest will make a difference. We want our impact to be positive, whether it is through powering other investors to make more impactful decisions with their money through our data or powering index-based products that allocate the lion's share of investment dollars to good corporate citizens.
Panvista Analytics	Data Analytics	Panvista is leading provider of behavioural ,visitor data analytics and insights solution for event industry.
Rakuten Intelligence	Investment professionals	Rakuten Intelligence offers detailed anonymized data that uncovers trends, reveals critical insights, and detects early market movements.
Re-analytics	Private equity edition	Synthetic index that measures consumer hunger for a brand in personal luxury goods.
Refinitiv	Datastream	API for extracting alal kinds of macro economic, IBES Data.
Refinitiv	Eikon	Eikon is more than just a way to access an extraordinary range of data and exclusive market-leading Reuters news – with Eikon content running alongside REDI, our award-winning execution management system, you get open and powerful pre-trade capabilities. Trader-focused apps help you understand the markets and make crucial decisions, and you can connect to the world's largest verified directory of financial professionals — over 300,000 trusted contacts collaborating, sharing, and gaining vital insights.
Refinitiv	Fxall	Streamline your pre- through post-trade process, execute trades efficiently, access hundreds of liquidity providers, and get full trade decision support and post-trade functionality, including confirmations, settlement instructions, and TCA reporting. FXall is the complete end-to-end solution for your FX trades.
Refinitiv	FXT	For your single source of access to preferred FX trading venues with a seamless, end-to-end workflow for every trade, meet FXT.
ShareIQ	Private Equity	Stax's data-driven framework for acquisition screening blends strategic thinking, a defined research approach, and common-sense practicality to produce actionable results fast.
Sigmai	5 day movers map	Provides a heat map of top and bottom movers.
Sigmai	Event trader	It provides trading signals for human traders who trade on news.
Sigmai	Intra-day grid	Provides a summary of recent business events.
Sigmai	Multi/intra-day charts	Generates various kind of chart patterns acrosss various time period .
Stax	Corporate M&A	Stax's data-driven framework for acquisition screening blends strategic thinking, a defined research approach, and common sense practicality to produce actionable results, fast.
Stax	Operational Improvement	We help clients optimize their sales and marketing activities more efficiently to generate higher returns.
Stax	Strategy & growth	Stax works with businesses of all types, sizes, and geographies to drive organic growth and acquisition.
Sustainalytics	ESG INTEGRATION	Unlock long-term value by incorporating ESG criteria into your investment decisions
Sustainalytics	INDEX SERVICES	Develop and maintain social and environmentally themed indexes.
Sustainalytics	PORTFOLIO ANALYSIS	Understand and monitor your portfolio's ESG performance and apply custom screens.

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Health Care

Company Name	Product Name	Product Description
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)

Equity/Global/Industrials

Company Name	Product Name	Product Description
Acuris	Infrastructure	Real time financing and trading news and data for global infrastructure.
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)
MariTrace	MariData	MariData systematically tracks the worldwide movements of over 50,000 commercial ships between 7,500 ports. The data set is a record of every individual cargo movement, including details on the load and discharge port, and an estimate of the type and tonnage of the cargo on board. (Contact: w.ellison@maritrace.com)
Rakuten Intelligence	Shipping, delivery, and logistics	Rakuten Intelligence provides visibility into omnichannel strategies and performance to help carriers, 3PLs, and retailers uncover opportunities to serve customers and gain competitive advantages.
RS Metrics	MetalSignals	MetalSignals measures inventories from more than 200 global smelters, refiners, and mining facilities using AI-enhanced satellite imagery analysis. (Contact: msagar@rsmetrics.com)
Sandalwood Advisors Ltd	Exclusive Alternative Data	Tracks Asia consumer spending in real-time. Card data, E-commerce spending data (Nike vs Adidas in Asia), Department store data, Supermarket data, Export, Social Media data, and Live streaming data. Useful for funds who is happy to invest to gain an information edge. (Contact: Tony.Ho@SandalwoodAdvisors.com)

Equity/Global/Information Technology

Company Name	Product Name	Product Description
DataPulse LLC	EMCPulse	Authoritative metrics covering a growing list of Enterprise Messaging and Collaboration Platforms. Current coverage includes: Microsoft Office 365 & Teams, Google/GSuite, Yahoo Business Email, GoDaddy, Trello, Slack. For each covered platform, DataPulse provides: • Snapshot count of unique hosted entities on each EMC platform • Number of new hosted entities since last sample • Number of lost hosted entities since last sample • Rate of change including month/month rates (Contact: sapienza@datapulse.global)
ENGAGE Research	Technology and Engineering	Daily alerts of changes impacting your passive candidates and their availability likelihood.
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)
PROME	MID: NARROW INTELLIGENCE	If you require a Narrow Intelligence approach to solve automation problems, whether cross-correlations, multivariate regressions, or deep learning (i.e., Data Science), then we can help you think through, architect and deploy these systems into production. We've spent our careers running Fortune 25 IT departments, building

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Information Technology

Company Name	Product Name	Product Description
PROME	<u>COMPLEX: GENERAL INTELLIGENCE</u>	mathematical models across compensation, algo trading, social media, emotion, IoT, and autonomous driving.
PROME	<u>BASIC: SOFTWARE AUTOMATION</u>	PROME invented Biologic Intelligence software for complex automation projects. We're working with Global Tier 1s for addressing \$1B/year Chinese market with service bots, Indian markets with safer autonomous scooters, European aerospace companies automating flight procedures, Ivy League research institutions predicting seizures, and American IoTs predicting equipment failure.
SocialMediaAnalytics(SMA)	<u>Processing A)</u>	Many times when digging into what's really needed for a client, we discover that cutting-edge Artificial Intelligence is a bit like driving a tank to the grocery store. It's too much muscle for what's required. Often times, having a technical expert who understands how something can be automated with just software is what's best. It saves time, money, and confusion. We've built so many apps, websites, and platforms over our career that this is basic blocking and tackling for us.
Stax	<u>Data Analytics</u>	SMA's Patented process is unique in the emerging field of AI, Machine Learning, Natural Language Processing (NLP), and Topic Modeling. SMA warehouses, normalizes, and produces proprietary metrics across Traditional and Alternative data sets. SMA has specifically designed the data to integrate with existing quantitative models commonly used in the financial industry
Vertical Knowledge	VK Data Subscriptions	Stax employs a wide range of approaches to accommodate the most demanding analytical and data processing requirements. In many cases, our engagements include mining client data for insights and furthering the insights by combining it with purchased and new primary research. This enables us to generate proprietary insights that can look at what happened in the past, as well as help forecast what should happen.
YipitData	<u>Brands in China</u>	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)
YipitData	<u>OTAs (BKNG, EXPE, Airbnb)</u>	YipitData provides investors with key sales metrics of companies and their associated brands on the Tmall platform, the top 20,000 brands (private and public) are ticker mapped to over 600 public companies. Our monthly data, starting from October 2015, can be analyzed to track company and brand level China e-commerce sales to understand key trends in the space, competitive brand analysis and identify sales inflections. (Contact: jwhite@yipitdata.com)
YipitData	<u>Shopify (SHOP)</u>	YipitData provides investors with data on gross reservations, active properties, and total bookable rooms from BKNG, EXPE and Airbnb, with room-night estimates for EXPE and Airbnb. Our EXPE system also includes inventory and listings data on HomeAway. (Contact: jwhite@yipitdata.com)
YipitData	<u>SEA Limited (SE)</u>	YipitData provides investors with data on Shopify's subscription solutions business by identifying and tracking Shopify merchants. Our merchant data currently includes the distribution of total merchant count cohorted by Plus vs. Non-plus, estimated join date, and website traffic rank along with each cohort's respective churn/retention rates. We provide a proprietary data driven Merchant Churn/Retention model which uses our churn/retention data and our monthly gross adds estimates to forecast year end merchant count and MRR. We can also provide competitive analysis with data on which platforms merchants are coming from and churning to. (Contact: jwhite@yipitdata.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Materials

Company Name	Product Name	Product Description
RS Metrics	MetalSignals	MetalSignals measures inventories from more than 200 global smelters, refiners, and mining facilities using AI-enhanced satellite imagery analysis. (Contact: msagar@rsmetrics.com)

Equity/Global/Real Estate

Company Name	Product Name	Product Description
AllTheRooms	Alternative Accommodations Market Performance	Performance metrics for the alternative accommodations market, particularly alternative non-hotel inventory on Airbnb, Homeaway, etc. (Contact: wpearson@alltherooms.com)
Vertical Knowledge	VK Data Subscriptions	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)

Equity/Global/Telecoms

Company Name	Product Name	Product Description
ListenFirst	ListenFirst Platform & Social Media Data	Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else (Contact: mason.dettloff@listenfirstmedia.com)

Equity/Asia

Equity/Asia/All

Company Name	Product Name	Product Description
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Using big data and NLP technologies to capture alpha by collecting, structuring, and revealing events from news articles, press releases, and financial social media. Covering more than 10,000 companies from 10 markets, 400 events categories and sub categories including, financial statements including revenue, earnings and outlook, management change, regulatory decisions, M&A, new products, partnerships, ESG, sales, expansion into new markets, share offering and buybacks and much more (Contact: pro@firsttostinvest.com)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
Thinknum, Inc.	Thinknum	Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance. (Contact: jzhen@thinknum.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/Asia/Consumer Discretionary

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
YipitData	China Video (MOMO, YY, HUYA, IQ, Tencent, Youku)	YipitData provides investors with data and analysis on including, but not limited to: user metrics (such as engagement, virtual gifts, subscribing members, churn) and competitor analysis. (Contact: jwhite@yipitdata.com)
YipitData	China Education (EDU & TAL)	YipitData provides EDU and TAL data on small and large class revenue, class attendees, Learning Centers, classrooms, teachers, and utilization broken out by city, city tier, Learning Center cohort, and more. This level of granularity allows us to analyze EDU and TAL trends on a seat level basis. We also track TAL's Peiyou Online segment. (Contact: jwhite@yipitdata.com)
YipitData	China Express Shipping (BSTI, JD, ZTO)	YipitData provides express parcel volume data on Best Express, JD Express and ZTO Express, combined represents nearly 40% of the China Express Shipping market, broken out by shipping origin and destination by city, city tier, and province. Given the granularity of our parcel-level data, we provide analysis on average delivery times and other key metrics for each company. (Contact: jwhite@yipitdata.com)
YipitData	Vipshop Holdings (VIPS)	YipitData provides investors with a monthly view into the trajectory of VIPS total orders ahead of each quarter. In addition we provide investors with data on daily volume, delivery speeds, buyer geographic distribution and analysis of potential revenue guidance. We also provide data to enable investors to estimate the impact of the JD/VIPS partnership. (Contact: jwhite@yipitdata.com)
YipitData	JD.com (JD)	YipitData provides investors with data and analysis on JD's operating business, including gross merchandise volume (GMV), units sold and active listings, amongst other metrics listed below. Our granular data allows us to analyze various important trends, including 1P vs. 3P shifts, category growth and brand penetration. (Contact: jwhite@yipitdata.com)
YipitData	Bilibili (BILI)	YipitData provides investors with data on all components of BILI's business, including user engagement, online video, live broadcasting, gaming, advertising, and traffic. (Contact: jwhite@yipitdata.com)
YipitData	Tencent Music (TME)	YipitData provides investors with data on all components of TME's business, including (i) paying subscribers and active users within online music services, (ii) music library data, such as songs behind the payroll, # of independent artists, and digital album sales (iii) live streaming and karaoke virtual gift revenue within social entertainment services. The dataset includes QQ Music, Kugou, Kuwo, and WeSing. (Contact: jwhite@yipitdata.com)
YipitData	Apple	YipitData provides investors with data on Apple Inc. (AAPL US), including estimates of hardware market share, device mix, ASPs, and smartphone user behavior trends in the China & U.S. markets. The product also includes KPI estimates for the Services segment in the U.S. market, including Apple Music, AppleCare & iCloud subscription market share/user behavior, iTunes billings and App Store commissions. (Contact: jwhite@yipitdata.com)
YipitData	Alibaba (BABA)	YipitData provides investors with data on BABA's gross merchandise volume (GMV) for Tmall and Taobao as well as commission revenue for Tmall. Our data can be analyzed in a variety of ways including by category, brand, seller, and more. We also provide subscribing member information for Youku Tudou video platform. (Contact: jwhite@yipitdata.com)
YipitData	China OTAs (CTRP & Meituan)	YipitData provides investors with data on CTRP & Meituan's gross reservations, properties, and rooms. Our data can be analyzed by region, including China vs. International and by smaller geographies (e.g. Chinese city tiers). We also collect pricing data on the majority of active properties (those receiving 1+ bookings in a given period) and track inventory cross-listed on both OTAs. (Contact: jwhite@yipitdata.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/Asia/Consumer Discretionary

Company Name	Product Name	Product Description
YipitData	China Hotels (HTHT & GHG)	YipitData provides investors with data on occupancy rate, ADR, RevPAR, and inventory for HTHT and GHG. We have HTHT data from Nov. 2017; GHG data from May 2018. Aggregate operating metrics data is expected to be published bi-weekly, granular data is expected to be published the first week of each month. (Contact: jwhite@yipitdata.com)
YipitData	Mercari (TYO:4385)	YipitData provides investors with insight into GMV and category-related data across Mercari's two main geographies, Japan and the United States. We track GMV, units sold, and average selling prices segmented by geography and category. (Contact: jwhite@yipitdata.com)

Equity/Asia/Consumer Staples

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
YipitData	Alibaba (BABA)	YipitData provides investors with data on BABA's gross merchandise volume (GMV) for Tmall and Taobao as well as commission revenue for Tmall. Our data can be analyzed in a variety of ways including by category, brand, seller, and more. We also provide subscribing member information for Youku Tudou video platform. (Contact: jwhite@yipitdata.com)

Equity/Asia/Financials

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)

Equity/Asia/Health Care

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)

Equity/Asia/Industrials

Company Name	Product Name	Product Description
YipitData	China Express Shipping (BSTI, JD, ZTO)	YipitData provides express parcel volume data on Best Express, JD Express and ZTO Express, combined represents nearly 40% of the China Express Shipping market, broken out by shipping origin and destination by city, city tier, and province. Given the granularity of our parcel-level data, we provide analysis on average

Alternative Data Directory – Products by Asset Class and Region

Equity/Asia/Industrials

Company Name	Product Name	Product Description
		delivery times and other key metrics for each company. (Contact: jwhite@yipitdata.com)

Equity/Asia/Information Technology

Company Name	Product Name	Product Description
YipitData	China Education (EDU & TAL)	YipitData provides EDU and TAL data on small and large class revenue, class attendees, Learning Centers, classrooms, teachers, and utilization broken out by city, city tier, Learning Center cohort, and more. This level of granularity allows us to analyze EDU and TAL trends on a seat level basis. We also track TAL's Peiyou Online segment. (Contact: jwhite@yipitdata.com)
YipitData	Tencent Music (TME)	YipitData provides investors with data on all components of TME's business, including (i) paying subscribers and active users within online music services, (ii) music library data, such as songs behind the paywall, # of independent artists, and digital album sales (iii) live streaming and karaoke virtual gift revenue within social entertainment services. The dataset includes QQ Music, Kugou, Kuwo, and WeSing. (Contact: jwhite@yipitdata.com)
YipitData	Apple	YipitData provides investors with data on Apple Inc. (AAPL US), including estimates of hardware market share, device mix, ASPs, and smartphone user behavior trends in the China & U.S. markets. The product also includes KPI estimates for the Services segment in the U.S. market, including Apple Music, AppleCare & iCloud subscription market share/user behavior, iTunes billings and App Store commissions. (Contact: jwhite@yipitdata.com)
YipitData	Alibaba (BABA)	YipitData provides investors with data on BABA's gross merchandise volume (GMV) for Tmall and Taobao as well as commission revenue for Tmall. Our data can be analyzed in a variety of ways including by category, brand, seller, and more. We also provide subscribing member information for Youku Tudou video platform. (Contact: jwhite@yipitdata.com)
YipitData	Mercari (TYO:4385)	YipitData provides investors with insight into GMV and category-related data across Mercari's two main geographies, Japan and the United States. We track GMV, units sold, and average selling prices segmented by geography and category. (Contact: jwhite@yipitdata.com)

Equity/Asia/Real Estate

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)

Equity/Asia/Telecoms

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/US
Equity/US/All

Company Name	Product Name	Product Description
AAER dataset	Accounting and Auditing Enforcement Releases	Financial reporting related enforcement actions concerning civil lawsuits brought by the Commission in federal court and notices and orders concerning the institution and/or settlement of administrative proceedings
AirSage	Market Research	Complement your visitor profile surveys & traditional data collection methods with location intelligence. Backed by machine learning, our offering helps identify class segments, estimated visitor counts, overnight stay duration, daytrips vs passthrough metrics, and more.
AirSage	Population Density	Insight on population activity at a defined geography during a certain time period. Population Density can provide population activity count for a specific day(s) or for all weekdays / weekend days, filtered by time and defined grid. Using these aggregates, our geolocation data can be used for heatmaps or other visualizations in your study.
AirSage	Trip Patterns	Trip Matrices, or origin-destination trip tables, have a wide ranging utility - through the advanced pattern recognition algorithms, AirSage understands all travel in the United States from a local to national level.
AirSage	Property Analysis	Using our property analysis, you can gain insight into a high population attractor including trade area reach for population seen at a POI, hourly population distribution at a POI on a daily basis, frequency of visits to a POI, duration of stay at a POI, and population demographics including income, age, and ethnicity.
Alphamatician	Real Estate	Access North American real estate data and statistics.
Alphamatician	Self Storage Space	Pricing and availability for self storage space units across the United States.
Audit Analytics	Accounting Quality Insights	Accounting Quality Insights is a forensic, fundamentally-oriented research subscription for investors. Accounting matters, estimates, and changes are crucial in understanding the complete financial picture of a company. Accounting Quality Insights, powered by Audit Analytics, provides up to date alerts and reports on companies you care about. Available via Bloomberg, FactSet, Eikon, S&P Global, and Email Alerts. (Contact: info@auditanalytics.com)
Audit Analytics	Audit Analytics Data Feeds	Audit Analytics collects and normalizes public company disclosures sourced from the SEC, SEDAR, and European exchanges. Audit Analytics' data feeds can be used as unique, accounting-related variables in your models. Certain data sets, like our financial restatement database, can be used for testing models that seek to predict a negative outcome or accounting failure. (Contact: info@auditanalytics.com)
Audit Analytics	Audit Analytics Online Platform	Audit Analytics is an independent research provider focused on public company accounting and governance. Our online platform, written reports, and data feeds are used by investment banks, portfolio managers, and equity analysts for risk modelling, idea generation, portfolio screening, and fundamental analysis. The Audit Analytics data content is composed of structured qualitative, hard-to-get information around accounting, governance, and control related events from over 15,000 public companies in the U.S., Canada, and Europe. (Contact: info@auditanalytics.com)
Audit Analytics	Accounting Quality + Risk Matrix (AQRM)	The Accounting Quality + Risk Matrix tracks accounting and governance related disclosures and events for listed U.S. equities. Use AQRM to screen your portfolio for risk indicators based on qualitative disclosures. The Matrix will indicate whether any companies in your portfolio have had a one-time adjustment, an unusual change in audit fees, a late filing, or other potential issues, according to three levels of severity- Notable, Significant, and Critical. AQRM is available through the Company Profile pages on AuditAnalytics.com or as a data feed. (Contact: info@auditanalytics.com)
Audit Analytics	OIA Data	The Other Independent Audits (OIA) database brings into focus hundreds of thousands of audits of non-public entities.
Bitvore	Bitvore Precision News	Bitvore's Precision News provides material event detection for public and private companies as well as municipal obligors. Delivered through a comprehensive set of APIs, our datasets are tagged with the entities involved in the event, the material event identified, the geographic location of the event and event sentiment. Bitvore continuously ingests and analyzes nearly 300,000 sources of world news and information including local, trade and national outlets for 297 material events. (Contact: mheberle@bitvore.com)
BizQualify LLC	BQ Employment &	Accurate employee counts and detailed welfare (medical, dental, insurance, etc) and retirement (401k, defined

Alternative Data Directory – Products by Asset Class and Region

Equity/US/All

Company Name	Product Name	Product Description
	Benefits	contribution, defined benefit, profit sharing, etc) benefit details for all US public and private companies with at least one employee benefit plan (Contact: info@bizqualify.com)
BizQualify LLC	BQ ESG	Assesses the degree of governance a company provides to their employees through their contributions, timeliness of payments, welfare and retirement benefits offered (Contact: info@bizqualify.com)
BizQualify LLC	BQ Credit	Assesses the financial health or public or private company using verifiable filings submitted to the IRS and Department of Labor (Contact: info@bizqualify.com)
Borrell Associates	Borrell's Compass	Interactive database of advertising expenditures estimates for every U.S. market (to county level) by 100 SIC business categories, for each of 12 different types of media (newspapers, radio, TV, digital, outdoor, etc.) (Contact: gordon@borrellassociates.com)
Eagle Alpha	Search Data - Ticker Signals	Search Data – Ticker Signals a proprietary dataset of Eagle Alpha. Equity indicators built using online search data from Google Trends that provides insights into the Russell 1000. Eagle Alpha has built a number of proprietary search terms that provide investor insight into a large number of public equities. Data has proven to provide insight into revenue changes, increasing or declining investor interest or abnormal interest in a company. (Contact: enquiries@eaglealpha.com)
Estimize, Inc.	Estimize	Crowdsourced EPS/Rev/KPI and economic (GDP, CPI, Oil inventory...) estimates from 85,000+ buy side and independent analysts. Deeper, more accurate, and more representative of true expectations than IBES. (Contact: sales@estimize.com)
ExtractAlpha	ClosingBell	Crowdsourced stock recommendations from retail traders. (Contact: info@extractalpha.com)
ExtractAlpha	TRESS Expert Sentiment Signal	Sentiment of financial bloggers. (Contact: info@extractalpha.com)
ExtractAlpha	ESGEvents Library	A database of government events such as EPA investigations, patent filings, government contracts, etc. (Contact: info@extractalpha.com)
ExtractAlpha	Cross Asset Model	Uses data from the options market to forecast equity returns. (Contact: info@extractalpha.com)
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Using big data and NLP technologies to capture alpha by collecting, structuring, and revealing events from news articles, press releases, and financial social media. Covering more than 10,000 companies from 10 markets, 400 events categories and sub categories including, financial statements including revenue, earnings and outlook, management change, regulatory decisions, M&A, new products, partnerships, ESG, sales, expansion into new markets, share offering and buybacks and much more. (Contact: pro@firsttostinvest.com)
IHS Markit	Research Signals Short Squeeze Model	Incorporates transaction level securities finance data with event indicators to provide insights into predicting short squeeze events. (Contact: timothy.barello@ihsmarkit.com)
Interconnect Analytics, Inc	RelateTheNews™	RelateTheNews™ data as a service (DaaS) is an insightful and actionable set of market indicators driven from market focused NLP analysis of business related journalistic news. (Contact: sales@interconnectanalytics.com)
Interconnect Analytics, Inc	AlphaEDGAR™	Using a distributed data acquisition for SEC EDGAR filings, custom intelligent parsing, and a financial markets specific sentiment analysis dictionary INTERConnect Analytics provides over 28 million indicators to aid in driving alpha quant and quantamental firms. (Contact: sales@interconnectanalytics.com)
IPqwery Inc.	IPqwery IP Ownership Event Data	The IP Ownership dataset aggregates all patents and trademarks owned across multiple jurisdictions (US, Canada, Europe). Combining disparate databases sourced directly from National IP Offices, we make it possible to discover the IP holdings for any corporate entity/owner, to investigate their filing activity, to explore IP holdings & filings at the sector level, by international classification, or by industry category, to monitor IP filings based on specific criteria, etc. IPqwery employs automatic processing and curation by expert human

Alternative Data Directory – Products by Asset Class and Region

Equity/US/All

Company Name	Product Name	Product Description
		<p>analysts to consolidate and process raw data issued by IP offices into consistent, accurate, well structured and well-documented datasets. We have created a comprehensive IP dataset with full indexing of events by company, while also correcting for common input errors and imposing consistent nomenclature. We include stock identifiers, track company/parent relationships and IP assignments, and monitor status changes in IP records. Moreover, the dataset supports PIT analytics with 10 years of backdata. Data is packaged and delivered a few hours after the IP Office makes its bulk data available.</p> <p>(Contact: info@ipqwery.com)</p>
IRS 990 Filings on AWS	IRS 990 Filings	Machine-readable data from certain electronic 990 forms filed with the IRS from 2013 to present.
iSentium	Daily Directional Indicators	Clients receive daily sentiment indicators on stocks and ETFs where sentiment has proven to be a strong leading indicator of price movement.
iSentium	iSENSE API	Enables systematic traders to analyze real time and historical raw sentiment data for the US equity universe and create their own signals.
iSentium	Patented Natural Language Processing (NLP) Technology	Supports over 8,500 U.S. stocks, indices and ETFs. iSENTIUM offers its sentiment data via a diversified product mix.
Mobiquity Networks	Mobile location data	Used by advertisers, marketers and researchers to reach their audiences. We maintain the largest location dataset containing all commercial buildings, entertainment and sporting venues with over 5.5 million precise location polygons, representing over 4,000 different retail chains across the United States.
NIELSEN Data	Retail Scanner Data	Researchers can integrate the consumer-panel and retail-scanner datasets to enable additional types of research. By integrating these two datasets, researchers can determine not only the items purchased by panelists, but also the availability, prices, and promotions associated with other products that were on the shelf at the same time.
Placed	TV Access	Designed for consumer brands with a brick-and-mortar presence, Placed leads the location analytics market in data quality and standard-setting omni-channel attribution. Within the Placed Attribution solution, TV measurement includes media on linear TV, addressable TV, and OTT streaming devices.
Placed	Placed Insights®	UTILIZING DATA AND ANALYTICS sourced from Placed's best-in-class location platform gives you the most informed view of offline consumer behavior
PlaceIQ Inc.	LandMark Data	With PlaceIQ's Data as a Service offering, LandMark Data Access, clients are able to gain hands-on access to premier location data to conduct cutting edge analytics and insights. Access is made available in a variety of models, including: reports, dashboards, syndicated data feeds, and an "all you can eat" model (full data install of all tracker brands). <p>(Contact: Nadya Kohl, EVP of Marketing and Business Development, nkohl@placeiq.com)</p>
Prattle Analytics	Prattle Equities Analytics	Prattle identifies likely market response to all primary source corporate communications from every publicly traded company in the U.S. Each company has its own lexicon predicated on market response to prior communications. <p>(Contact: evan@prattle.co)</p>
Quant Connect	QuantConnect Data Explorer	TradeBar - TradeBar represents trade ticks of assets consolidated for a period, QuoteBar - QuoteBar represents top of book quote data consolidated over a period of time (bid and ask bar), Tick - Tick data represents an individual record of trades ("trade ticks") or quote updates ("quote tick") for an asset. Tick data is instantaneous - it does not have a period. Data available for following asset classes: Equity, Forex, Options, Futures and Crypto
Second Measure	Second Measure's Dashboard	Built to give investors and corporate decision makers a daily view into how consumers behave.
Sense360	Sense360 Diagnose	Ask your customers or your competitors' customers directly (our behavioral data allows us to target surveys with unprecedented granularity).
Sense360	Market Research SDK	Create incremental reward opportunities for your users via Sense360 Surveys.
Sense360	Sense360 Optimize	Get more out of your marketing by truly understanding your guests, which ones represent the greatest opportunity, how to reach them, and what drives them.

Alternative Data Directory – Products by Asset Class and Region

Equity/US/All

Company Name	Product Name	Product Description
Sense360	Sense360 Measure	Get weekly customized scorecards about topics that matters to you.
Social Alpha	Active Traders	Analytics dashboard and real time alerts suited for day and prop traders, swing and trend traders, event-driven and system traders.
Social Alpha	Financial Institutions	Social analytics factor feeds, dashboards, real time alerts and custom widgets.
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay. (Contact: doug@socialmarketanalytics.com)
Social Market Analytics, Inc (SMA)	Activity Feed	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)
Stocksnips Inc	Stocksnips News Sentiment dataset V3	Stocksnips summarizes and analyzes news from multiple reliable sources and transforms the textual data to a quantified news sentiment signal. It uses AI / Advanced machine learning models and does what an investor can't - Analyze millions of lines of text from multiple sources to provide a 360-degree view of financial news sentiment. Stocksnips sentiment analysis is based on the positive statements about a company. The source for assessing positive or negative sentiment is based on the analysis of news articles and SEC filings (News sentiment). Stocksnips measures sentiment for relevant comments and statements about various business factors affecting a company's performance from news articles and SEC filings. These relevant "snippets" are then analyzed to determine whether the snippet is a positive or negative comment. The news sentiment is aggregated hourly / daily for each ticker (Contact: rkoka@stocksnips.net)
Thinknum, Inc.	Thinknum	Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance. (Contact: jzhen@thinknum.com)

Equity/US/Consumer Discretionary

Company Name	Product Name	Product Description
Alpha Hat	Alpha Hat	Geolocation data & research for fundamental investors to gain actionable intelligence from alternative data. (Contact: research@alphahat.com)
Eagle Alpha	Search Data - Sales Signals	A range of equity indicators built using online search data from Google that provide an insight into future revenue or same store sales momentum of a company. We chart YoY% move in the index (12m, 6m, 3m and 1m rolling average) against important business metrics to see if the index leads future changes in fundamentals or revenue. Dataset also includes sector aggerates for tracking company performance relative to peers. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	RevCast	Company level indicators based on consumer transaction data, online search data and published company financials. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	Consumer Electronics Dataset	Eagle Alpha have crawled data on a daily basis from retailer Best Buy. The dataset covers seven categories (Handsets, TV's, Desktops PCs, Notebooks, Printers, Activity Trackers and Action Cameras). Fields include Company, Brand, RRP, Price, Discounting sales ranking and share of bestsellers at the SKU level. (Contact: enquiries@eaglealpha.com)
Edison Software	Edison Trends	Consumer purchase metrics including brand loyality, wallet share, purchase preferences, etc.

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Consumer Discretionary

Company Name	Product Name	Product Description
(Contact: Sarah@edison.tech)		
Factual	Observation Graph	<p>Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation.</p> <p>(Contact: may@factual.com)</p>
Hillside Partners	Custom Software	<p>They use proprietary software to acquire large amounts of data for the reports and can accommodate custom software solutions of any size.</p>
MarketCheck	Automotive	<p>The data we collect includes all of the standard fields you'd expect for an automotive listing--year, make, model, price, mileage and location of the car. But in addition to these standard fields, we also provide several other data points including total days-on-market, averages, trend information, lease details, incentives and new, used or certified pre-owned (CPO) designations. Data comes directly from dealer websites--over 52k in all--with comprehensive coverage for all US markets as well as Canada.</p>
Placemeter	Smart Cities	<p>Using proprietary computer vision algorithms, video streams are transformed into meaningful data about the volume and direction of pedestrians, bikes, and vehicles.</p>
Second Measure	Second Measure	<p>US Consumer Transactional Data. Credit card, debit card, and bank transactions.</p> <p>(Contact: ryan@secondmeasure.com)</p>
Thasos	ConsumerStreams Attribution	<p>ConsumerStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors that we observe at individual store, restaurant, or other location of interest.</p> <p>(Contact: info@thasos.com)</p>
Thasos	ConsumerStreams Visitation	<p>ConsumerStreams provides subscribers with daily customer visitation, derived from mobile phone location data, to individual store, restaurant, or other location owned or operated by over 120 publicly listed companies.</p> <p>(Contact: info@thasos.com)</p>
Thasos	MallStreams Attribution	<p>MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest.</p> <p>(Contact: info@thasos.com)</p>
Thasos	MallStreams Visitation	<p>MallStreams foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs.</p> <p>(Contact: info@thasos.com)</p>
Thasos	QStreams	<p>QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies.</p> <p>(Contact: info@thasos.com)</p>
Verto Analytics	Verto Data Feed	<p>Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices.</p> <p>(Contact: patrick.brennan@vertoanalytics.com)</p>
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	<p>YipitData provides investors with data for key online auto marketplaces including CARG, CARS, Autotrader US and LON:AUTO. Our core data is based on systems designed to analyze 100% of listings and dealers across cargurus.com (as well as all international CARG platforms), cars.com, autotrader.com, and autotrader.co.uk and has proven highly accurate historically. Full historical accuracy scorecards by ticker are included in the following pages. We also track organic search results for a panel of ~2.5k keywords to speak to relative SEO performance between CARG, Autotrader (US), CARS, TRUE, and key traffic competitors like Kelley Blue Book, Edmunds, and Carfax.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Carmax & Carvana	<p>Track key metrics such as same store unit and revenue growth and produce deep-dive analyses covering discounting trends, changes in market share, inventory turns, cohort productivity, and competitive dynamics with competitors.</p> <p>(Contact: jwhite@yipitdata.com)</p>

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Consumer Discretionary

Company Name	Product Name	Product Description
YipitData	InterActiveCorp/Match (ANGI, IAC, MTCH)	We provide investors with data on ANGI's HomeAdvisor subsidiary, including domestic paying service professionals ("SPs") and domestic service requests. Estimates for both SPs and SRs have been accurate within 2% of company reported figures. Our systems are designed to capture 100% of paying SPs. Our data is granular down to metro, service category, and date joined cohort. YipitData also provides investors with online dating data on users, subscribers, ARPU and a-la-carte purchases. The granular dataset allows us to analyze subscriber and pricing trends on a user level basis across multiple platforms, providing a read-through on market share, competitive trends and subscriber behavior in the online dating industry, covering brands including Tinder and Bumble. (Contact: jwhite@yipitdata.com)
YipitData	US Delivery (GRUB, Uber Eats, DoorDash, Postmates)	YipitData provides analysis of the major delivery platforms in the U.S., including: 1) Email receipt & web data to accurately estimate gross food sales (GFS), orders, average order value (AOV) and revenue 2) Restaurant supply inventory and churn for GRUB, Uber Eats, DoorDash, and Postmates 3) Email receipt data for U.S. Delivery market shares, cross-platform usage, churn, and order frequency. (Contact: jwhite@yipitdata.com)
YipitData	U.S. Ridesharing (Uber & Lyft)	YipitData provides analysis of the U.S. operations of Uber & Lyft. We offer read-through on the competitive dynamics of the U.S. ridesharing industry by estimating metrics such as growth in rides and active riders, market share and user level metrics, segmented by metro tiers and ride categories (e.g. Pool / Line). (Contact: jwhite@yipitdata.com)
YipitData	Salvage Auctions (CPRT & KAR:IAA)	YipitData provides CPRT & KAR investors with highly accurate and granular data covering all salvage units sold by the two companies in the US, Canada, and the UK. In addition to North America (NA) & UK unit sales for both companies (historically accurate within ~1-2% of reported metrics), we also provide estimates for CPRT ASP growth and GMV growth. When there are catastrophic weather (CAT) events and/or large seller contract wins and acquisitions, we report on organic growth trends excluding noise from these events in order to better speak to core business trends. We also track market share and shifts between the two companies by geography and quantify the degree to which shared sellers are shifting volumes from one platform to the other. (Contact: jwhite@yipitdata.com)
YipitData	Etsy, Inc. (ETSY)	YipitData provides data driven analysis of trends in Gross Merchandise Sales (GMS), Transactions, Purchase Frequency and Repeat Buyers which serve as a resource for investors in the formation and testing of investment theses. (Contact: jwhite@yipitdata.com)
YipitData	Apple	YipitData provides investors with data on Apple Inc. (AAPL US), including estimates of hardware market share, device mix, ASPs, and smartphone user behavior trends in the China & U.S. markets. The product also includes KPI estimates for the Services segment in the U.S. market, including Apple Music, AppleCare & iCloud subscription market share/user behavior, iTunes billings and App Store commissions. (Contact: jwhite@yipitdata.com)
YipitData	OTAs (BKNG, EXPE, Airbnb)	YipitData provides investors with data on gross reservations, active properties, and total bookable rooms from BKNG, EXPE and Airbnb, with room-night estimates for EXPE and Airbnb. Our EXPE system also includes inventory and listings data on HomeAway. (Contact: jwhite@yipitdata.com)
YipitData	Mercari (TYO:4385)	YipitData provides investors with insight into GMV and category-related data across Mercari's two main geographies, Japan and the United States. We track GMV, units sold, and average selling prices segmented by geography and category. (Contact: jwhite@yipitdata.com)
YipitData	Video Games (ATVI, EA, TTWO, UBI)	YipitData provides investors with video games data on full game download (FGD), microtransaction (MTX), and downloadable content (DLC) purchases for ATVI, EA, TTWO and UBI. The granular dataset enables investors to analyze transaction, cross franchise and pricing trends on a user level basis across multiple platforms (e.g., Sony, Steam, etc.), providing insights on market share, competitive trends and subscriber behavior in the U.S. video game industry. (Contact: jwhite@yipitdata.com)
YipitData	Lithia Motors (LAD) & Shift	YipitData provides LAD investors with retail sales & inventory data that is relevant to both short term and long term operating performance. Retail metrics tracked include new and used unit sales & inventory, used revenue, and used average selling price (ASP) and we regularly discuss store productivity trends at newly acquired

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Consumer Discretionary

Company Name	Product Name	Product Description
		stores and in rural vs. urban markets. Historically, our estimates have been accurate to within ~2.5% of company reported top-line metrics. In addition to tracking LAD, we also track retail unit sales, inventory, revenue, ASP, and service fees for Shift. (Contact: jwhite@yipitdata.com)

Equity/US/Consumer Staples

Company Name	Product Name	Product Description
Alpha Hat	Alpha Hat	Geolocation data & research for fundamental investors to gain actionable intelligence from alternative data. (Contact: research@alphahat.com)
CME	Tellus Labs	TellusLabs Crop Health Index (TL CHI) and Normalized Difference Vegetation Index (NDVI) are satellite-based scores of plant condition and progress that can help commodities researchers understand the status of a given crop. (Contact: MarketTechSales@cmegroup.com)
Eagle Alpha	RevCast	Company level indicators based on consumer transaction data, online search data and published company financials. (Contact: enquiries@eaglealpha.com)
Edison Software	Edison Trends	Consumer purchase metrics including brand loyalty, wallet share, purchase preferences, etc. (Contact: Sarah@edison.tech)
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Thasos	ConsumerStreams Attribution	ConsumerStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors that we observe at individual store, restaurant, or other location of interest. (Contact: info@thasos.com)
Thasos	ConsumerStreams Visitation	ConsumerStreams provides subscribers with daily customer visitation, derived from mobile phone location data, to individual store, restaurant, or other location owned or operated by over 120 publicly listed companies. (Contact: info@thasos.com)
Thasos	MallStreams Attribution	MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest. (Contact: info@thasos.com)
Thasos	MallStreams Visitation	MallStreams foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs. (Contact: info@thasos.com)
Thasos	QStreams	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)
Verto Analytics	Verto Data Feed	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertoanalytics.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Energy

Company Name	Product Name	Product Description
Kayros	E&P Intelligence	Well completion data for US tight oil plays derived from satellite measurements. Data contains information on operators, pressure pumpers, completion dates, lateral lengths all at the well level and reported ahead of quarterly earnings. (Contact: contact@kayros.com)

Equity/US/Financials

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Federal Reserve Bank of St. Louis	Fred	Download, graph, and track many economic time series from US and international sources.
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
NasdaqAnalyticsHub	Listing	Our DNA is rooted in innovation and in the spirit of partnership. We have built the teams, tools and assets to support our listed companies throughout their entire life cycle. Companies that list on Nasdaq leverage our shareholder engagement and intelligence tools, visibility platform, issuer advocacy and support, and client network to thrive in today's competitive marketplace.
NasdaqAnalyticsHub	Nasdaq Financial Framework	The Nasdaq Financial Framework is Nasdaq's evolutionary harmonized approach to delivering robust end-to-end solutions to financial infrastructure providers in an open, agile environment.
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
THDataCapital	Predictive analytics	The information TH Data Capital generates is ahead of market with high accuracy, including some recent predictions on GMV or revenue for BABA, JD, EDU and WUBA that are spot-on. Importantly, these predictions were made early before quarterly earning's calls. This is powerful information.
Verto Analytics	Verto Data Feed	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertoanalytics.com)
YipitData	Salvage Auctions (CPRT & KAR:IAA)	YipitData provides CPRT & KAR investors with highly accurate and granular data covering all salvage units sold by the two companies in the US, Canada, and the UK. In addition to North America (NA) & UK unit sales for both companies (historically accurate within ~1-2% of reported metrics), we also provide estimates for CPRT ASP growth and GMV growth. When there are catastrophic weather (CAT) events and/or large seller contract wins and acquisitions, we report on organic growth trends excluding noise from these events in order to better speak to core business trends. We also track market share and shifts between the two companies by geography and quantify the degree to which shared sellers are shifting volumes from one platform to the other. (Contact: jwhite@yipitdata.com)
YipitData	PayPal (PYPL)	YipitData provides investors with insight into Venmo's Total Payment Volume (TPV), and monetization initiatives such as Pay with Venmo, Instant Transfer, and ATM Cash withdrawals. We also track merchant acceptance rates of PYPL in the U.S., and analyze engagement of Venmo and PYPL users. (Contact: jwhite@yipitdata.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Health Care

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
MedMine LLC	QuantHC and MedMiner Models	US transactional data for medical devices and hospital supplies. (Contact: dale@medminellc.com)
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Verto Analytics	Verto Data Feed	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertoanalytics.com)

Equity/US/Industrials

Company Name	Product Name	Product Description
Alpha Hat	Alpha Hat	Geolocation data & research for fundamental investors to gain actionable intelligence from alternative data. (Contact: research@alphahat.com)
MarketCheck	Equipments	MarketCheck's new heavy equipment database compiles data from across the Internet, to provide one centralized place where users can find all of it, quickly & efficiently. This Industry has historically been heavily siloed, with listings spread across too many websites to be practically searched or inventoried. But now for the first time, MarketCheck is offering developers & researchers affordable, single-point of access to this immense industry, with a series of low-cost, easy-to-integrate APIs. Custom data feeds are also available.
Thasos	IndustrialStreams	IndustrialStreams provides subscribers with daily visitation, derived from mobile phone location data, to industrial locations owned or operated by over 90 publicly listed companies. (Contact: info@thasos.com)
Thasos	QStreams	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	YipitData provides investors with data for key online auto marketplaces including CARG, CARS, Autotrader US and LON:AUTO. Our core data is based on systems designed to analyze 100% of listings and dealers across cargurus.com (as well as all international CARG platforms), cars.com, autotrader.com, and autotrader.co.uk and has proven highly accurate historically. Full historical accuracy scorecards by ticker are included in the following pages. We also track organic search results for a panel of ~2.5k keywords to speak to relative SEO performance between CARG, Autotrader (US), CARS, TRUE, and key traffic competitors like Kelley Blue Book, Edmunds, and Carfax. (Contact: jwhite@yipitdata.com)
YipitData	Carmax & Carvana	Track key metrics such as same store unit and revenue growth and produce deep-dive analyses covering discounting trends, changes in market share, inventory turns, cohort productivity, and competitive dynamics with competitors. (Contact: jwhite@yipitdata.com)
YipitData	U.S. Airlines (ALGT, JBLU, UAL)	YipitData provides investors with data on pricing, traffic, and operational metrics for JBLU, ALGT, and UAL, typically on a weekly basis. Our granular dataset allows us to analyze booking and pricing trends on a seat level basis providing insights on guidance for the demand environment. We also expect to provide a weekly industry pricing overview using data from ARC on industry-wide bookings. (Contact: jwhite@yipitdata.com)
YipitData	FedEx & LTL Shipping	YipitData provides investors with monthly shipment and tonnage data for 5 of the top 10 LTL carriers

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Industrials

Company Name	Product Name	Product Description
	(ODFL, SAIA, YRCW, XPO, FDX)	(representing approximately 50% of US LTL market). Our proprietary data enables investors to compare performance in the LTL industry on monthly basis. We also generate a LTL Sector Index based on company performance for the industry. YipitData provides investors with monthly shipment data for each operating sector of FDX including Express US domestic, International Export (ex-TNT), FedEx Ground and FedEx Freight. Our proprietary data enables investors to better understand company's monthly performance with shipment estimate for each segment. (Contact: jwhite@yipitdata.com)

Equity/US/Information Technology

Company Name	Product Name	Product Description
Alpha Hat	Alpha Hat	Geolocation data & research for fundamental investors to gain actionable intelligence from alternative data. (Contact: research@alphahat.com)
Eagle Alpha	Search Data - Sales Signals	A range of equity indicators built using online search data from Google that provide an insight into future revenue or same store sales momentum of a company. We chart YoY% move in the index (12m, 6m, 3m and 1m rolling average) against important business metrics to see if the index leads future changes in fundamentals or revenue. Dataset also includes sector aggregates for tracking company performance relative to peers. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	RevCast	Company level indicators based on consumer transaction data, online search data and published company financials. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	Consumer Electronics Dataset	Eagle Alpha have crawled data on a daily basis from retailer Best Buy. The dataset covers seven categories (Handsets, TV's, Desktops PCs, Notebooks, Printers, Activity Trackers and Action Cameras). Fields include Company, Brand, RRP, Price, Discounting sales ranking and share of bestsellers at the SKU level. (Contact: enquiries@eaglealpha.com)
NasdaqAnalyticsHub	Nasdaq Investment Data and Analytics	Inform portfolio manager decisions and investment strategies with fund manager selection at eVestment, alternative data access through Quandl, the Nasdaq Fund Network, historical data and trading insights.
YipitData	InterActiveCorp/Match (ANGI, IAC, MTCH)	We provide investors with data on ANGI's HomeAdvisor subsidiary, including domestic paying service professionals ("SPs") and domestic service requests. Estimates for both SPs and SRs have been accurate within 2% of company reported figures. Our systems are designed to capture 100% of paying SPs. Our data is granular down to metro, service category, and date joined cohort. YipitData also provides investors with online dating data on users, subscribers, ARPU and a-la-carte purchases. The granular dataset allows us to analyze subscriber and pricing trends on a user level basis across multiple platforms, providing a read-through on market share, competitive trends and subscriber behavior in the online dating industry, covering brands including Tinder and Bumble. (Contact: jwhite@yipitdata.com)
YipitData	Apple	YipitData provides investors with data on Apple Inc. (AAPL US), including estimates of hardware market share, device mix, ASPs, and smartphone user behavior trends in the China & U.S. markets. The product also includes KPI estimates for the Services segment in the U.S. market, including Apple Music, AppleCare & iCloud subscription market share/user behavior, iTunes billings and App Store commissions. (Contact: jwhite@yipitdata.com)
YipitData	OTAs (BKNG, EXPE, Airbnb)	YipitData provides investors with data on gross reservations, active properties, and total bookable rooms from BKNG, EXPE and Airbnb, with room-night estimates for EXPE and Airbnb. Our EXPE system also includes inventory and listings data on HomeAway. (Contact: jwhite@yipitdata.com)
YipitData	Zillow (ZG)	YipitData provides investors with granular data and analysis on Zillow's iBuyer and Premier Agent (PA) businesses. We also provide a proprietary PA revenue model that estimates agent-level ad spend and ROI using our agent ads and transactions data. We also track OpenDoor. (Contact: jwhite@yipitdata.com)
YipitData	Mercari (TYO:4385)	YipitData provides investors with insight into GMV and category-related data across Mercari's two main

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Information Technology

Company Name	Product Name	Product Description
		geographies, Japan and the United States. We track GMV, units sold, and average selling prices segmented by geography and category. (Contact: jwhite@yipitdata.com)

Equity/US/Real Estate

Company Name	Product Name	Product Description
Alpha Hat	Alpha Hat	Geolocation data & research for fundamental investors to gain actionable intelligence from alternative data. (Contact: research@alphahat.com)
Big Byte Insights, Ltd	Self Storage Survey	Pricing trends for the self storage REITs. (Contact: shahzeb@bigbyteinsights.com)
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
MarketCheck	Real estate	Our real estate inventory database provides millions of past and current listings from over 50k Real Estate Brokerages spread across the US.
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Thasos	MallStreams Attribution	MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest. (Contact: info@thasos.com)
Thasos	MallStreams Visitation	MallStreams foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs. (Contact: info@thasos.com)
Thasos	QStreams	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)
YipitData	Redfin (RDFN)	YipitData provides investors with data on Redfin's lead agents count, brokerage real estate transactions, and brokerage revenue per transaction, accurate to within 2% of company reported figures. We track nearly 100% of the above metrics, which accounts for 90%+ of Redfin's total revenue. In addition to top-line metrics, our agent / transaction-level data allows for analysis by geographic region and agent cohort. (Contact: jwhite@yipitdata.com)
YipitData	Zillow (ZG)	YipitData provides investors with granular data and analysis on Zillow's iBuyer and Premier Agent (PA) businesses. We also provide a proprietary PA revenue model that estimates agent-level ad spend and ROI using our agent ads and transactions data. We also track OpenDoor. (Contact: jwhite@yipitdata.com)

Equity/US/Telecoms

Company Name	Product Name	Product Description
Comlinkdata	US broadband	Comlinkdata helps our clients with deep fundamental analysis of individual cable and telecom carriers and broadband industry trends. We track broadband subscribers and switching between Internet Service Providers

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Telecoms

Company Name	Product Name	Product Description
	subscriber tracking	(ISPs), which enables us to measure subscriber net add trends for hundreds of ISPs. Our coverage includes all major Telcos, Cable Providers, Overbuilders, and Satellite providers. Our data is updated daily with in-month recency, and is precisely geo-located using a massive panel of smartphone and tablet users. (Contact: dyoung@comlinkdata.com)
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Verto Analytics	Verto Data Feed	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertolanalytics.com)
YipitData	Video Games (ATVI, EA, TTWO, UBI)	YipitData provides investors with video games data on full game download (FGD), microtransaction (MTX), and downloadable content (DLC) purchases for ATVI, EA, TTWO and UBI. The granular dataset enables investors to analyze transaction, cross franchise and pricing trends on a user level basis across multiple platforms (e.g., Sony, Steam, etc.), providing insights on market share, competitive trends and subscriber behavior in the U.S. video game industry. (Contact: jwhite@yipitdata.com)

Equity/US/Utilities

Company Name	Product Name	Product Description
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)

Equity/Europe

Equity/Europe/All

Company Name	Product Name	Product Description
Audit Analytics	Audit Analytics Online Platform	Audit Analytics is an independent research provider focused on public company accounting and governance. Our online platform, written reports, and data feeds are used by investment banks, portfolio managers, and equity analysts for risk modelling, idea generation, portfolio screening, and fundamental analysis. The Audit Analytics data content is composed of structured qualitative, hard-to-get information around accounting, governance, and control related events from over 15,000 public companies in the U.S., Canada, and Europe. (Contact: info@auditanalytics.com)
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Using big data and NLP technologies to capture alpha by collecting, structuring, and revealing events from news articles, press releases, and financial social media. Covering more than 10,000 companies from 10 markets, 400 events categories and sub categories including, financial statements including revenue, earnings and outlook, management change, regulatory decisions, M&A, new products, partnerships, ESG, sales, expansion into new markets, share offering and buybacks and much more (Contact: pro@firsttoinvest.com)
IPqwery Inc.	IPqwery IP Ownership Event Data	The IP Ownership dataset aggregates all patents and trademarks owned across multiple jurisdictions (US, Canada, Europe). Combining disparate databases sourced directly from National IP Offices, we make it possible to discover the IP holdings for any corporate entity/owner, to investigate their filing activity, to explore IP holdings & filings at the sector level, by international classification, or by industry category, to monitor IP filings based on specific criteria, etc. IPqwery employs automatic processing and curation by expert human

Alternative Data Directory – Products by Asset Class and Region

Equity/Europe/All

Company Name	Product Name	Product Description
		<p>analysts to consolidate and process raw data issued by IP offices into consistent, accurate, well structured and well-documented datasets. We have created a comprehensive IP dataset with full indexing of events by company, while also correcting for common input errors and imposing consistent nomenclature. We include stock identifiers, track company/parent relationships and IP assignments, and monitor status changes in IP records. Moreover, the dataset supports PIT analytics with 10 years of backdata. Data is packaged and delivered a few hours after the IP Office makes its bulk data available.</p> <p>(Contact: info@ipqwery.com)</p>
Social Market Analytics, Inc (SMA)	S-Factor Feed	<p>As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay</p> <p>(Contact: doug@socialmarketanalytics.com)</p>
Social Market Analytics, Inc (SMA)	Activity Feed	<p>The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q)</p> <p>(Contact: doug@socialmarketanalytics.com)</p>
Thinknum, Inc.	Thinknum	<p>Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance.</p> <p>(Contact: jzhen@thinknum.com)</p>

Equity/Europe/Consumer Discretionary

Company Name	Product Name	Product Description
Eagle Alpha	Search Data - Sales Signals	<p>A range of equity indicators built using online search data from Google that provide an insight into future revenue or same store sales momentum of a company. We chart YoY% move in the index (12m, 6m, 3m and 1m rolling average) against important business metrics to see if the index leads future changes in fundamentals or revenue. Dataset also includes sector aggerates for tracking company performance relative to peers.</p> <p>(Contact: enquiries@eaglealpha.com)</p>
Edison Software	Edison Trends	<p>Consumer purchase metrics including brand loyality, wallet share, purchase preferences, etc.</p> <p>(Contact: Sarah@edison.tech)</p>
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	<p>YipitData provides investors with data for key online auto marketplaces including CARG, CARS, Autotrader US and LON:AUTO. Our core data is based on systems designed to analyze 100% of listings and dealers across cargurus.com (as well as all international CARG platforms), cars.com, autotrader.com, and autotrader.co.uk and has proven highly accurate historically. Full historical accuracy scorecards by ticker are included in the following pages. We also track organic search results for a panel of ~2.5k keywords to speak to relative SEO performance between CARG, Autotrader (US), CARS, TRUE, and key traffic competitors like Kelley Blue Book, Edmunds, and Carfax.</p> <p>(Contact: jwhite@yipitdata.com)</p>

Equity/Europe/Consumer Staples

Company Name	Product Name	Product Description
Edison Software	Edison Trends	<p>Consumer purchase metrics including brand loyality, wallet share, purchase preferences, etc.</p> <p>(Contact: Sarah@edison.tech)</p>
Gyana	SaaS Platform	<p>Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI. (Contact: seyna.habis@gyana.co.uk)</p>

Alternative Data Directory – Products by Asset Class and Region

Equity/Europe/Financials

Company Name	Product Name	Product Description
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)

Equity/Europe/Industrials

Company Name	Product Name	Product Description
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	YipitData provides investors with data for key online auto marketplaces including CARG, CARS, Autotrader US and LON:AUTO. Our core data is based on systems designed to analyze 100% of listings and dealers across cargurus.com (as well as all international CARG platforms), cars.com, autotrader.com, and autotrader.co.uk and has proven highly accurate historically. Full historical accuracy scorecards by ticker are included in the following pages. We also track organic search results for a panel of ~2.5k keywords to speak to relative SEO performance between CARG, Autotrader (US), CARS, TRUE, and key traffic competitors like Kelley Blue Book, Edmunds, and Carfax. (Contact: jwhite@yipitdata.com)

Equity/Europe/Information Technology

Company Name	Product Name	Product Description
Eagle Alpha	Search Data - Sales Signals	A range of equity indicators built using online search data from Google that provide an insight into future revenue or same store sales momentum of a company. We chart YoY% move in the index (12m, 6m, 3m and 1m rolling average) against important business metrics to see if the index leads future changes in fundamentals or revenue. Dataset also includes sector aggerates for tracking company performance relative to peers. (Contact: enquiries@eaglealpha.com)
YipitData	RightMove (RMV, PURP, RDFN)	YipitData's RightMove product combines data from RightMove (RMV), PurpleBricks (PURP), and Redfin (RDFN) to track RMV's Advertisers KPI segmented by Agencies / New Homes, PURP instructions and agents (UK, AUS, US), market shares of top UK agencies, and the health of the UK Real Estate market. (Contact: jwhite@yipitdata.com)

Equity/Europe/Real Estate

Company Name	Product Name	Product Description
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI. (Contact: seyna.habis@gyana.co.uk)
YipitData	RightMove (RMV, PURP, RDFN)	YipitData's RightMove product combines data from RightMove (RMV), PurpleBricks (PURP), and Redfin (RDFN) to track RMV's Advertisers KPI segmented by Agencies / New Homes, PURP instructions and agents (UK, AUS, US), market shares of top UK agencies, and the health of the UK Real Estate market. (Contact: jwhite@yipitdata.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/Japan

Equity/Japan/All

Company Name	Product Name	Product Description
Alt&A Advisory	AI Algo trader	Trainable algo trader that can learn to use technical analysis to determine appropriate strategies for orders (Contact: Sales@Ra-ai.com)
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Using big data and NLP technologies to capture alpha by collecting, structuring, and revealing events from news articles, press releases, and financial social media. Covering more than 10,000 companies from 10 markets, 400 events categories and sub categories including, financial statements including revenue, earnings and outlook, management change, regulatory decisions, M&A, new products, partnerships, ESG, sales, expansion into new markets, share offering and buybacks and much more (Contact: pro@firsttoinvest.com)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
Toyo Keizai	Overseas business data	Data shows how Japanese companies are expanding overseas over past 40 years sourced from the follow-up survey conducted every year.
Toyo Keizai	CSR data	Information provided in the CSR Corporate Directory is provided as data from the largest CSR database in Japan.
Toyo Keizai	Financial data	Items such as balance sheets, profit and loss statements, cash flow statements, and note information submitted by listed companies.
Toyo Keizai	ESG online	The main purpose is to analyze non-financial information based not only on public information such as convocation notices for shareholders and securities reports, but also on independent survey information published in the Company Quarterly Report and CSR Corporate Directory.
Toyo Keizai	Large retail store data	This data contains information on large retail stores with a store area of over 1,000 square meters in the publication of Toyo Keizai Shinposha's publication, "Large retail stores overview."

Equity/Japan/Consumer Discretionary

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Nowcast	JCB Consumption NOW	Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan. (Contact: tsujinaka@nowcast.co.jp)
Nowcast	Nikkei POS	Nikkei POS data is one of the biggest POS data in Japan which consists of 1500 stores of large supermarkets/GMSs including Aeon(8267). The data has a long history from 2000, which is rare in the world. Compared with other alternative data, Nikkei POS data has some successful cases. Nikkei CPI Now, which is based on Nikkei POS, is the first daily price index in Japan. This index is referenced by cabinet office, BOJ, and other government offices. (Contact: tsujinaka@nowcast.co.jp)
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data.

Alternative Data Directory – Products by Asset Class and Region

Equity/Japan/Consumer Discretionary

Company Name	Product Name	Product Description
(Contact: tsujinaka@nowcast.co.jp)		
Nowcast	TrueData	<p>TrueData is the largest standard database in Japan that collects consumer purchase information such as drugstores, supermarkets, etc. across the country. Since it consists of purchase information of 50 million people nationwide and covers their sex and age information, it can be used not only to find out purchase trends by manufacturers, brand and products, but also "repeat purchase", "product switching", etc.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>

Equity/Japan/Consumer Staples

Company Name	Product Name	Product Description
(Contact: may@factual.com)		
Factual	Observation Graph	<p>Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation.</p> <p>(Contact: may@factual.com)</p>
(Contact: tsujinaka@nowcast.co.jp)		
Nowcast	JCB Consumption NOW	<p>Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>
(Contact: tsujinaka@nowcast.co.jp)		
Nowcast	Nikkei POS	<p>Nikkei POS data is one of the biggest POS data in Japan which consists of 1500 stores of large supermarkets/GMSs including Aeon(8267). The data has a long history from 2000, which is rare in the world. Compared with other alternative data, Nikkei POS data has some successful cases. Nikkei CPI Now, which is based on Nikkei POS, is the first daily price index in Japan. This index is referenced by cabinet office, BOJ, and other government offices.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>
(Contact: tsujinaka@nowcast.co.jp)		
Nowcast	TrueData	<p>TrueData is the largest standard database in Japan that collects consumer purchase information such as drugstores, supermarkets, etc. across the country. Since it consists of purchase information of 50 million people nationwide and covers their sex and age information, it can be used not only to find out purchase trends by manufacturers, brand and products, but also "repeat purchase", "product switching", etc.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>

Equity/Japan/Financials

Company Name	Product Name	Product Description
(Contact: may@factual.com)		
Factual	Observation Graph	<p>Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation.</p> <p>(Contact: may@factual.com)</p>

Equity/Japan/Health Care

Company Name	Product Name	Product Description
(Contact: may@factual.com)		
Factual	Observation Graph	<p>Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to</p>

Alternative Data Directory – Products by Asset Class and Region

Equity/Japan/Health Care

Company Name	Product Name	Product Description
		determine the places visited for each observation. (Contact: may@factual.com)
Nowcast	Nikkei POS	Nikkei POS data is one of the biggest POS data in Japan which consists of 1500 stores of large supermarkets/GMSs including Aeon(8267). The data has a long history from 2000, which is rare in the world. Compared with other alternative data, Nikkei POS data has some successful cases. Nikkei CPI Now, which is based on Nikkei POS, is the first daily price index in Japan. This index is referenced by cabinet office, BOJ, and other government offices. (Contact: tsujinaka@nowcast.co.jp)
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data. (Contact: tsujinaka@nowcast.co.jp)

Equity/Japan/Information Technology

Company Name	Product Name	Product Description
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data. (Contact: tsujinaka@nowcast.co.jp)

Equity/Japan/Real Estate

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Nowcast	JCB Consumption NOW	Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan. (Contact: tsujinaka@nowcast.co.jp)
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Equity/Japan/Telecoms

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)

Alternative Data Directory – Products by Asset Class and Region

Equity/Japan/Telecoms

Company Name	Product Name	Product Description
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data. (Contact: tsujinaka@nowcast.co.jp)

Equity/Japan/Utilities

Company Name	Product Name	Product Description
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data. (Contact: tsujinaka@nowcast.co.jp)

Equity/Others

Company Name	Product Name	Product Description
1Forge	1Forge	1Forge is the only provider that delivers true FIX speed with the convenience of an API. It provides Exchange Rate API, Currency Conversion API and Realtime Forex Quote API, serving realtime tick data for over 500 forex currency pairs and commodities.
7Park	MEDIA & ENTERTAINMENT	Content creators, owners and distributors rely on 7Park Data to understand how audience behavior impacts performance on the leading streaming platforms
Accern	Coverage Banking	Accern uses Turbo to comprehensively scan all news on specific companies and industries in real-time. Accern automatically identifies highly relevant and critical news events of concern to the coverage banker.
Accern	Fundamental Investing	Accern's AI-Powered Natural Language Processing engine connects any and all textual data feeds and parses that data into a structured format. Some dataset examples include Premium News Feeds, HTML Pages, and PDF Documents. It can derive over 60 insights from each relevant article to be incorporated into an investment thesis. Our insights include entities, events, sentiment, reliability, and impact.
Accern	Quantitative Trading	Using XYME, Accern's machine learning modeling framework, our clients can use a variety of data sources to predict any KPIs, such as same-store sales, revenues, price movements, and more. Accern can deliver predictions based on analyst and portfolio manager workflow. The following delivery options are available: Restful API, Streaming API, Scheduled Data Delivery, E-Mail Notification, SMS Notification, Visual Reports, etc.
Alphamatician	Real Estate	Access North American real estate data and statistics.
Alphamatician	Professional services	Custom data collection, Analysis and research, Data management.
Australian Antarctic Data Centre (AADC)	Geographic Information System (GIS)	All datasets are stored in geographies, that is with latitude and longitude values.
Australian Antarctic Data Centre (AADC)	Australian Antarctic Division Publications	Australian Antarctic Magazine, Portfolio annual reports, Supervising Scientist annual reports, Portfolio budget statements, ANARE Reports, ANARE Research Notes and AAE Reports
Australian Antarctic Data Centre (AADC)	Satellite Image Catalogue	The Satellite image catalogue holds the details about imagery and space imagery held in the Australian Antarctica Data Centre.
big xyt	Liquidity Cockpit	Independent liquidity measures for global markets (Contact: sales@big-xyt.com)
Brickstream	BRICKSTREAM 3D GEN 2	By taking advantage of Brickstream's reliable performance and backed by our "always-there" support team, you can focus on driving strategies for increased retail conversion and more efficient transportation hubs and optimized smart buildings.
Brickstream	BRICKSTREAM® 2D	The Brickstream 2D single lens smart device provides accurate customer counting in indoor environments with

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Product Description
Brickstream	BRICKSTREAM® 3D	low to medium traffic volumes and consistent lighting.
Brickstream	Employee Filtering	The FLIR Brickstream Employee Filtering feature, with its ability to differentiate between customers and staff, provides accurate customer traffic and employee counts. This is ideal for environments where excellent customer service includes: 1) staff moving in and out of stores; 2) greeters welcoming customers; 3) the presence of security guards; and 4) in luxury stores with lower traffic where each customer is significant.
Brickstream	BRICKSTREAM® 3D+	The industry's first analytics sensor to combine Traffic Counting, Wi-Fi and iBeacon.™ Now retailers can satisfy operational and marketing goals with a single sensor. By combining multiple technologies, including Video, Wi-Fi and iBeacon, into one sensor, Brickstream 3D+ minimizes the expenses of deploying and maintaining store infrastructure.
CargoMetrics	Cargometrics	Geospatial data with correlation to trusted but lagged data sources to improve accuracy.
CEIC Data	Global Databases	Granular country-level information on several macroeconomic sectors, such as inflation, exports, tourism, etc.
CEIC Data	Premium Databases	Premium databases available for Brazil, China, India, Indonesia and Russia.
CEIC Data	World Trend Plus	This database includes key indicators such as GDP, IPI, FDI, and CPI.
CME	Tellus Labs	TellusLabs Crop Health Index (TL CHI) and Normalized Difference Vegetation Index (NDVI) are satellite-based scores of plant condition and progress that can help commodities researchers understand the status of a given crop. (Contact: MarketTechSales@cmegroup.com)
Data Norfolk	Government	Data about city staff, operations and assets.
Data Norfolk	Environment	Data about litter and environmental sustainability.
Data Provider	STOCKS DATA	Stocks Data grants access to the largest historical database of website information out there as a structured data index.
Data.NSW	NSW Open Data Portal	NSW Government open datasets.
Data.NSW	API.NSW	NSW Government published APIs - Information on fuel prices, security organisations, real estate, etc
DataSift	PYLON	PYLON aggregates and anonymizes your Human Data to deliver just the intelligence you need to inform business decisions. PYLON use cases are almost limitless, ranging from audience research for media buying to shaping content marketing strategies.
DataYes Inc.	Analyst Report Sentiment	Analyst Report Sentiments Data provides sentiment analysis of sell-side analyst reports. Each report could have multiple sentiment scores based on the number of opinions identified by our algorithm. (Contact: sales.us@datayes.com)
DataYes Inc.	Hiring/Job Listings Data	DataYes China Hiring Data helps clients understand the Chinese companies' recruitment activities with daily updates of their job postings. The information includes job titles, job descriptions, location, experience level, salary etc. (Contact: sales.us@datayes.com)
DataYes Inc.	News Sentiment Data	News Sentiments Data provides aggregated Chinese news data from credible Chinese news sources. Each news article is linked to relevant listed companies and provide indicators such as sentiments, correlation of news and the related companies/stocks. (Contact: sales.us@datayes.com)
DataYes Inc.	Supermarket Liquor and Condiment Sales Data	The dataset contains monthly supermarket sales data of 42 listed company in food and beverage sector. Products category includes spirits (Chinese Baijiu), beer, wine, Chinese rice wine and fermented condiment. (Contact: sales.us@datayes.com)
Enigma	Data Offerings	Data on 30 million US SMBs, profiles of customers and consumer populations, location-based-insights related to companies, customers and their networks

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Product Description
Enigma	Public Data	Information recorded by local, state and federal governments as well as universities, NGOs, and nonprofits for the purposes of public use
Enigma	Places Data	Location-based insights surface risks and opportunities related to companies, customers and their networks.
Enigma	People Data	Profiles of customers and consumer populations reduce compliance risk and drive go-to-market strategies.
Enigma	Company Data	Reliable data on 30 million U.S. SMBs increases marketing ROI and accelerates customer onboarding.
EPSChinaData	Databases	Providing various kinds economic and Industrial data on chinese economy.
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
GB. Office for National Statistics	Business, Industry and trade	Activities of businesses and industry in the UK, including data on the production and trade of goods and services, sales by retailers, characteristics of businesses, the construction and manufacturing sectors, and international trade.
GB. Office for National Statistics	Employment and Labour Market	People in and out of work covering employment, unemployment, types of work, earnings, working patterns and workplace disputes.
GB. Office for National Statistics	People, Population and Community	People living in the UK, changes in the population, how we spend our money, and data on crime, relationships, health and religion. These statistics help us build a detailed picture of how we live.
GB. Office for National Statistics	Economy	UK economic activity covering production, distribution, consumption and trade of goods and services. Individuals, businesses, organisations and governments all affect the development of the economy.
Gildata	Juyuan Financial Terminal	It is a financial industry product that integrates real-time securities, timely news, comprehensive financial data and professional analysis tools.
Gildata	Application database	The application database of Juyuan is based on the application requirements of information systems such as investment transactions, performance risk control, financial valuation, credit rating, wealth management, etc., and the second cleaning, conversion and loading of data on the basic database.
Gildata	Basic databases	The Hang Seng Juyuan Basic Database is centered on financial securities. The data covers A-shares, Hong Kong stocks, New Third Board, bonds, funds, wealth management, macro, industry, indices, etc., with announcements, news, research reports, laws and regulations, and overseas economic data.
Gildata	Factor library	The Multi-source Quantization Factor Library (MFL) is a feature of the Chinese market. Eight investment style categories have been selected, and 77 factors have been calculated as the basic factor indicators of the MFL (subsequent updates will be added).
Iguana2	Investor Relations	IJAX is a custom web server designed to serve dynamic market data in XML or JSON that can be deployed in your environment or on a public network to provide fast, low latency data to your web applications with minimal effort.
Iguana2	Custom Data Jobs	One of the key strengths of Iguana2 is our ability to provide custom data feeds and files to meet a client's specific requirements. We manage an extensive database with full coverage of the ASX and NZX markets back to 1990.
Iguana2	Tick	Tick is a bare bones data service that streams ASX trade and cancellation events.
Innovata	Data	Airline flights database containing worldwide passenger and cargo schedules. This includes Flight Schedules, Minimum Connect Time, IATA Codes, Aircraft seat data, etc.
Innovata	Mapping	Flight and Airline Route Mapping.
Innovata	Data Analysis	Flightmap analytics, Seat analytics, Schedule analytics.
Jackson County GIS	Environment	Data on landslides, Soils, Vegetation, etc.

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Product Description
Jackson County GIS	Development	Data on Urban reserves, Permits, Flood zones, Zoning districts.
Jackson County GIS	Water	Data on Vernal pools, Streams, Watershed maps etc.
Manheim	Arbitration	During the arbitration process, Manheim acts as a neutral intermediary to investigate and resolve transaction-related disputes. Possible outcomes include sale price adjustment or sale cancellation.
Manheim	Transportation	Full-service logistics. Ready Logistics connects shippers and carriers on a full-service platform and handles all details of the move. Shippers save time as Ready Logistics selects the ideal carrier based on performance and competitive pricing.
Manheim	Consulting	Since 2005, Manheim Consulting has conducted research and performance studies for the company's largest dealer and commercial clients, while providing a broader perspective on the industry at large for those who follow the automotive sector. Our team leverages our industry-leading data set to illuminate new remarketing trends, optimize location or sales channel utilization, benchmark client performance against peers, publish studies on leading practices, and bring macroeconomic trends into remarketing context.
Manheim	Valuation	The Manheim Market Report (MMR) is the premier indicator of wholesale prices. Pricing calculations are based on over 10 million sales transactions for the previous 13 months with precise pricing unmatched by guidebooks.
Manheim	Financing	We aren't just revolutionizing floor planning, we're advancing the automotive industry through innovative solutions, consultative partnerships and a customer-centric approach.
MarketPsych Data	MarketPsych Fundamental Sentiment indexes	The MarketPsych Fundamental Sentiment (MFS) model is a stock ranking system. The system scores individual U.S.-domiciled stocks using media sentiment. A weighted composite of sentiments from Refinitiv's MarketPsych Indices (RMI) underlies MFS. RMI is the global standard in media sentiment data that contains a diverse array of sentiment and thematic indices. RMI's topical sentiments including corporate fundamentals, earnings, analysts, management, and price sentiment are aggregated to create the final daily MFS score. The goal of MFS is to provide a single sentiment score that summarizes media outlook and is indicative of underreaction to new information. The MFS model has structural similarities to StarMine models. MFS is intended to complement traditional factors with a quantitative assessment of market sentiment. (Contact: info@marketpsychdata.com)
MASSIVE Data Heights	other	Noise free data.
MixRank	Technographics & Ads	Every technology a website uses leaves a trace. Want to know who is advertising with Google AdWords, what sites rely on shopping cart technology, or which companies accept payments? MixRank continuously crawls the web, detecting tags, ad campaigns, technologies, SaaS & social integrations, and much more. Identify new customers using thousands of fingerprints that predict buying behavior, market fit, and budget.
MixRank	Companies & Firmographics	From startups to the fortune 500s, finding companies in your target market has never been easier. Explore businesses based on their size, revenue, location, industry, and more. Plus, with instant alerts you'll be the first to know when new companies match your market segment.
MixRank	Mobile Apps & SDKs	MixRank is the most comprehensive database of mobile apps, developers, SDKs, technologies, services, and integrations. Hundreds of the top mobile technology and services vendors have used MixRank to grow sales, react to competitors, plan market strategies, and retain customers. Instantly identify potential clients based on their SDK usage, permissions & capabilities, rankings, and more.
MixRank	Contacts & Decision Makers	Reach your future customers with tens of millions of verified contacts in all market verticals. MixRank maintains an expansive database of companies, decision makers, and contact information. Our technology scans for new contacts and validates them in real-time so you can have confidence you're acting on fresh information.
Orbital Insight	Orbital Insight GO	Using multiple sources of geospatial data and artificial intelligence, we deliver timely, objective and transparent analytics on a global scale. The Orbital Insight GO platform is versatile and designed to answer your specific question about the physical world.
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks.

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Product Description
		(Contact: press@premise.com)
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Global Macro Smart Data enables to estimate the economic growth in 20+ countries in real-time, including in China, South Korea or Argentina. By construction, our data has a correlation higher than 90% with official numbers for most countries. Global Smart Data includes also other key macro variables such as job market or inflation. (Contact: info@q3-technology.com)
Queensland Government Data	Open Data Portal	Queensland Government open data.
Queensland Government Data	Queensland Globe	Queensland location based information on Agriculture, Construction, Natural Resources, Tourism and Transport.
Rakuten Intelligence	Digital native brands	Insights reveal the metrics and drivers behind the buzz, so you better understand consumers, business health, and the competitive landscape with transaction-level measurement of even the smallest brands made from our proprietary panel.
Refinitiv	DataScope	Flexible connectivity options to interface with your platform (GUI, FTP/SFTP, API), DataScope Select accommodates an exceptionally broad range of workflows and requirements.
Selery	Private Context Engine	A Natural Language Processing (NLP) engine that analyzes digital communication in real-time to help sell-side professionals uncover new revenue opportunities, use less balance sheet, and comply with regulations.
ShopperTrak	Retail Analytics	Traffic counting and conversion, store performance and quantify the impact of marketing.
Sustainalytics	COMPLIANCE & SCREENING	Manage compliance and reputation risks when constructing your investable universe.
Sustainalytics	ENGAGEMENT SERVICES	Manage reputation risk and increase corporate accountability through proactive, professional and constructive engagement.
Suzy	Innovation, R&D	Suzy™ helps innovation and R&D teams validate critical business decisions so they can focus on creating the most compelling new products and services.
Suzy	Research	Suzy™ is used by research and insights teams to supercharge their historical data with direct access to emerging consumer trends as they're beginning to take shape
Suzy	Marketing/Branding	Suzy™ lets brand managers truly understand their consumers and develop the most effective marketing strategies, campaigns and content.
T.H. Capital	CHINESE	TH develops new methodologies of applying alternative data in equity investments. It enables client to make right decisions and to generate stable investment.
Tipigo	Case study	Tipigo harnesses the power of professional equity analysts, synthesizing big data and human expertise to build tailored stock portfolios that have been proven to outperform the market.
Towergate Informatics	IP Data-mining and Monitoring	With an emphasis on IP data, Towergate Software is your gateway to a wide range of tools including searching, comprehensive reporting and visualizations. Surveillance reports, customized tables, galleries, customized visualization options... we have many interesting and innovative tools available. Please contact us to discuss your firm's needs.
TrustData	Mobile Big Data	Chinese mobile app usage data provider with over 150mm MAUs.
Unacast	Insight	Curated data sets & interpretations that help you answer important business questions and expand your enterprise.
Unacast	Activity	Our Activity dataset has been processed and thoroughly vetted for accuracy, and we have added specific insights, like clustering and map contextualization, helping you to better understand the data.
Unacast	Pure	The Pure dataset is a lightly filtered stream of location data that we have aggregated from our sources. This data has been standardized and purged of overlapping and fraudulent data.
Understory	Atmosphere	Understory comprehensively assesses the critical impact of weather and air quality conditions on cities,

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Product Description
		communities, and businesses with Atmosphere.
Understory	Agriculture	Understory has developed hyper-local weather data that will allow those in the agricultural industry to know the exact weather conditions in their crops
Understory	Insurance Industry	Understory's hyper-local weather monitoring networks record individual hailstone impacts, wind gusts and even rain drops. We pull this environmental data into actionable material like storm scorecards and hail reports.
Understory	Utility Companies	Utility companies use wind data provided by Understory improve response to outages.
YipitData	eBay (EBAY)	YipitData provides data and analysis on eBay's gross merchandise volume (GMV), structured data initiative, listing features, promoted listings, payments and Google search performance (Contact: jwhite@yipitdata.com)
YipitData	Intl Delivery: JE, DHER, TKWY, Deliveroo, UberEats	YipitData provides data on active restaurant inventory for five of the largest international online delivery providers, including Just Eat (LON:JE), Deliveroo, Uber Eats, Delivery Hero (ETR:DHER) and Takeaway.com (AMS:TKWY). Our coverage is globally comprehensive for Deliveroo, Uber Eats and Takeaway.com; our Just Eat data covers all markets but Brazil and Mexico; Delivery Hero data covers Germany (Lieferheld, Pizza.de), Sweden (Pizza.se), Middle East (Talabat), Turkey (Yemeksepti), LatAm (Pedidosya) and Foodpanda (Global) (Contact: jwhite@yipitdata.com)
YipitData	MercadoLibre (MELI)	YipitData provides data on MELI's gross merchandise volume (GMV), units sold, daily active listings, listing type, free shipping / Pago / Envios offering penetration, FX impact, and new users by country. (Contact: jwhite@yipitdata.com)
YipitData	Eventbrite (EB)	YipitData provides investors with insight into paid tickets, total event and creator growth, creator cohort performance, international expansion, and the split between paid and free events, among other analyses. We track paid tickets through our email receipt panel, which has backtested to within 5% of company reported for the past six quarters. (Contact: jwhite@yipitdata.com)

Alternative Data Directory – Products by Asset Class and Region

Fixed Income

Fixed Income/Global

Company Name	Product Name	Product Description
1Forge	1Forge	1Forge is the only provider that delivers true FIX speed with the convenience of an API. It provides Exchange Rate API, Currency Conversion API and Realtime Forex Quote API, serving realtime tick data for over 500 forex currency pairs and commodities.
Acuris	Transactions	M&A, private equity and venture capital transactions.
Acuris	Infrastructure	Real time financing and trading news and data for global infrastructure.
Acuris	Equities	Track equity markets as events happen and make sense of the fast-moving regulatory landscape.
Acuris	Fixed Income	Trusted data, news and analysis on the global credit markets.
Advan Research Corporation, LLC	Foot traffic data and Weather data	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies (Contact: info@advan.us)
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Analysis of financial text, emulating how a human financial professional would read and interpret the context of the information: who it is about, what the topics are, and how will it impact the asset (positive/neutral/negative) (Contact: info@alexandriatechnology.com)
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	The datasets contains the output Flags of our financial risk forecasting analytics (equity product range), these Flags provide hours or days advance warning of major directional market movements. (Contact: jeremy.sosabowski@algodynamix.com)
AlphaLetters	AlphaLetters, AlphaData	AlphaLetters helps investors build novel and profitable strategies by screening quantitative research by professors, researchers, traders worldwide. (Contact: info@alphaletters.com)
Amass	Insights	With access to over 8 million datasets, Ingishts offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
BMLL Technologies Limited	BMLL Platform	BMLL provides access to deep granularity of exchange data available. Collected directly from over 50 sources of data (equity exchanges, MTFs, futures and options exchanges, fixed income and FX venues), customers can access every event recorded by the matching engine. For example, every new order, cancellation, change in size, change in price and every execution is recorded as a separate event. BMLL makes this data available on a rental, pay-as-you-go model. (Contact: bencollins@bmlltech.com)
Equity Data Science	EDS Analytics Platform	An advanced analytics platform for fundamental investors (quantamental), which supports decision-making for stock selection, portfolio analytics, and risk management. Originally built inside of leading funds, EDS aggregates intelligence & solves challenges, such as improved idea targeting, alt data analysis, crowding analytics, position sizing, factor tilts, trade timing, etc. EDS can be your data scientist or be the solution to intelligently add insights to your investment process. (Contact: greg@equitydatasience.com)
Informa Financial Intelligence	EPFR	EPFR tracks Fund Flow and Asset Allocation data, giving clients a view of investor and manager sentiment globally. (Contact: todd.willits@informa.com)
InformaFinancialIntelligence	Weath Management	Asset allocation, planning and analysis, custom investment proposal creation, factsheet production, GIPS investment composite management, investment performance reporting, investment manager research, investment policy statement compliance, separately managed accounts data
InformaFinancialIntelligence	Investment and Asset Management	Asset allocation, planning and analysis, equity market liquidity research, fund flow and allocations data and insights, FX and rates insights, Investment manager analysis and reporting, Money market fund insights, primary bond market insights, private placement data and analysis, and strategic marketing solutions
InformaFinancialIntelligence	Banking	Client Engagement Research, Delivery Channel Research, Financial Institution Product and Pricing Data, Peer

Alternative Data Directory – Products by Asset Class and Region

Fixed Income/Global

Company Name	Product Name	Product Description
nre		Benchmarking, and Targeted Advertising
ISS Analytics	ISS Analytics	Director compensation, Voting records and Meeting results, and ISS Governance QualityScore.
Jettrack.io	JetTrack	10 Years of ownership and flights, for current and acquired companies.
MarketPsych Data	MarketPsych Indices	<p>We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minute, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation.</p> <p>(Contact: info@marketpsychdata.com)</p>
Prattle Analytics	Prattle Central Bank Analytics	<p>Prattle identifies the degree to which every communication coming from every major central bank around the world is hawkish or dovish</p> <p>(Contact: evan@prattle.co)</p>
Premise Data Corporation	Premise Data	<p>A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks.</p> <p>(Contact: press@premise.com)</p>
QuantCube Technology	QuantCube Global Macro Smart Data Platform	<p>Global Macro Smart Data enables to estimate the economic growth in 20+ countries in real-time, including in China, South Korea or Argentina. By construction, our data has a correlation higher than 90% with official numbers for most countries. Global Smart Data includes also other key macro variables such as job market or inflation.</p> <p>(Contact: info@q3-technology.com)</p>
RavenPack	RavenPack Analytics	<p>Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis</p> <p>(Contact: gdallennes@ravenpack.com)</p>
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	<p>RepRisk's flagship product, the ESG Risk Platform, is the world's largest due diligence database on ESG and business conduct risks, and serves as the foundation for all our products and services. The Platform supports data-driven decision-making by leveraging proprietary quantitative data (risk metrics and analytics) and extensive qualitative research for companies, projects, sectors, countries, ESG issues, NGOs, and more. It is delivered as a Software as a Service, with a user-friendly interface and access at any time, from anywhere. RepRisk Data Feeds are customized exports of RepRisk's proprietary risk metrics and analytics that are integrated into your internal systems. They are delivered in CSV or XML format via a secure FTP, on a daily, weekly, or monthly basis.</p> <p>(Contact: indira.abraham@reprisk.com)</p>
ScrapeHero	Data as a Service	<p>We are a custom alternative data provider. Fully managed enterprise-grade web scraping service.</p> <p>(Contact: hello@scrapehero.com)</p>
SESAMM	L'Humeur des Marchés Web & API (The Markets Mood)	<p>SESAMM aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages. Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies.</p> <p>(Contact: enquiries@sesamm.com)</p>
Tick Data	Reference Data	Corporate Actions, Equity Symbol Map and Historical Calendar Information.
Tick Data	Global Market Data	Tick by tick level 1 quotes (best bid/asks per exchange) for Equities, Futures, Options, FX and Cash Indices

Alternative Data Directory – Products by Asset Class and Region

Fixed Income/Global

Company Name	Product Name	Product Description
Tick Data	Targeted Data Solutions	Transaction cost analysis and Market Surveillance solutions.

Fixed Income/US

Company Name	Product Name	Product Description
Bitvore	Bitvore Precision News	Bitvore's Precision News provides material event detection for public and private companies as well as municipal obligors. Delivered through a comprehensive set of APIs, our datasets are tagged with the entities involved in the event, the material event identified, the geographic location of the event and event sentiment. Bitvore continuously ingests and analyzes nearly 300,000 sources of world news and information including local, trade and national outlets for 297 material events. (Contact: mheberle@bitvore.com)
BizQualify LLC	BQ Credit	Assesses the financial health or public or private company using verifiable filings submitted to the IRS and Department of Labor (Contact: info@bizqualify.com)
BizQualify LLC	BQ Employment & Benefits	Accurate employee counts and detailed welfare (medical, dental, insurance, etc) and retirement (401k, defined contribution, defined benefit, profit sharing, etc) benefit details for all US public and private companies with at least one employee benefit plan (Contact: info@bizqualify.com)
BizQualify LLC	BQ ESG	Assesses the degree of governance a company provides to their employees through their contributions, timeliness of payments, welfare and retirement benefits offered (Contact: info@bizqualify.com)
ExtractAlpha	ESGEVENTS Library	A database of government events such as EPA investigations, patent filings, government contracts, etc. (Contact: info@extractalpha.com)
Quant Connect	QuantConnect Data Explorer	TradeBar - TradeBar represents trade ticks of assets consolidated for a period, QuoteBar - QuoteBar represents top of book quote data consolidated over a period of time (bid and ask bar), Tick - Tick data represents an individual record of trades ("trade ticks") or quote updates ("quote tick") for an asset. Tick data is instantaneous - it does not have a period. Data available for following asset classes: Equity, Forex, Options, Futures and Crypto
Thasos	ConsumerStreams Attribution	ConsumerStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors that we observe at individual store, restaurant, or other location of interest. (Contact: info@thasos.com)
Thasos	ConsumerStreams Visitation	ConsumerStreams Visitation provides subscribers with daily customer visitation, derived from mobile phone location data, to individual store, restaurant, or other location owned or operated by over 120 publicly listed companies. (Contact: info@thasos.com)
Thasos	IndustrialStreams	IndustrialStreams provides subscribers with daily visitation, derived from mobile phone location data, to industrial locations owned or operated by over 90 publicly listed companies. (Contact: info@thasos.com)
Thasos	MallStreams Attribution	MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest. (Contact: info@thasos.com)
Thasos	MallStreams Visitation	MallStreams Visitation foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs. (Contact: info@thasos.com)
Thasos	QStreams	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)

Alternative Data Directory – Products by Asset Class and Region

Fixed Income/Japan

Company Name	Product Name	Product Description
Nowcast	JCB Consumption NOW	Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan. (Contact: tsujinaka@nowcast.co.jp)

Fixed Income/Others

Company Name	Product Name	Product Description
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)

Alternative Data Directory – Products by Asset Class and Region

FX

FX/Global

Company Name	Product Name	Product Description
1Forge	1Forge	1Forge is the only provider that delivers true FIX speed with the convenience of an API. It provides Exchange Rate API, Currency Conversion API and Realtime Forex Quote API, serving realtime tick data for over 500 forex currency pairs and commodities.
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Analysis of financial text, emulating how a human financial professional would read and interpret the context of the information: who it is about, what the topics are, and how will it impact the asset (positive/neutral/negative) (Contact: info@alexandriatechnology.com)
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	The datasets contains the output Flags of our financial risk forecasting analytics (equity product range), these Flags provide hours or days advance warning of major directional market movements. (Contact: jeremy.sosabowski@algodynamix.com)
AlphaLetters	AlphaLetters, AlphaData	AlphaLetters helps investors build novel and profitable strategies by screening quantitative research by professors, researchers, traders worldwide. (Contact: info@alphaletters.com)
Amass	Insights	With access to over 8 million datasets, Ingisights offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
Brave New Coin	Custom Indices	Construct custom indices for your organization's specific needs.
Brave New Coin	Global Crypto Asset Spot Rates	Global volume-weighted spot pricing for any digital asset across 240+ exchanges worldwide.
Brave New Coin	XchangeFeed	Near real-time price & volume data from over 240 exchanges.
Granular.ai	Granular EM Satellite Insights	This dataset comprises of three models that provide timely economic insights into China and other emerging markets. The first looks at metal inventory levels at Ports and Industrial sites. The second looks at industry capacity and industrial activity. The final model looks at urban construction rates. (Contact: sid@granular.ai)
Informa Financial Intelligence	EPFR	EPFR tracks Fund Flow and Asset Allocation data, giving clients a view of investor and manager sentiment globally. (Contact: todd.willits@informa.com)
InformaFinancialIntelligence	Weath Management	Asset allocation, planning and analysis, custom investment proposal creation, factsheet production, GIPS investment composite management, investment performance reporting, investment manager research, investment policy statement compliance, separately managed accounts data
InformaFinancialIntelligence	Investment and Asset Management	Asset allocation, planning and analysis, equity market liquidity research, fund flow and allocations data and insights, FX and rates insights, Investment manager analysis and reporting, Money market fund insights, primary bond market insights, private placement data and analysis, and strategic marketing solutions
InformaFinancialIntelligence	Banking	Client Engagement Research, Delivery Channel Research, Financial Institution Product and Pricing Data, Peer Benchmarking, and Targeted Advertising
MariTrace	MariData	MariData systematically tracks the worldwide movements of over 50,000 commercial ships between 7,500 ports. The data set is a record of every individual cargo movement, including details on the load and discharge port, and an estimate of the type and tonnage of the cargo on board. (Contact: w.ellison@maritrace.com)
MarketPsych Data	MarketPsych Indices	We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minute, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation. (Contact: info@marketpsychdata.com)

Alternative Data Directory – Products by Asset Class and Region

FX/Global

Company Name	Product Name	Product Description
OpenCorporates	Legal Entity Bulk Data	<p>OpenCorporates is the largest open database of companies in the world with 170M companies from 130 jurisdictions. We collect, collate and standardise data only from official sources, we do not use third data providers to access this data. The data is provenanced, providing direct line of sight to the official source. Users can access our data via the website, API or in bulk deliveries. The bulk data is generally sold by region e.g. Global or North America and comes with two different license types (internal or external) depending on how the data is going to be used. We deliver the bulk data as a flat file via an SFTP account on a monthly or quarterly basis.</p> <p>(Contact: sales@opencorporates.com)</p>
Prattle Analytics	Prattle Central Bank Analytics	<p>Prattle identifies the degree to which every communication coming from every major central bank around the world is hawkish or dovish</p> <p>(Contact: evan@prattle.co)</p>
Premise Data Corporation	Premise Data	<p>A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks.</p> <p>(Contact: press@premise.com)</p>
QuantCube Technology	QuantCube Global Macro Smart Data Platform	<p>Global Macro Smart Data enables to estimate the economic growth in 20+ countries in real-time, including in China, South Korea or Argentina. By construction, our data has a correlation higher than 90% with official numbers for most countries. Global Smart Data includes also other key macro variables such as job market or inflation.</p> <p>(Contact: info@q3-technology.com)</p>
RavenPack	RavenPack Analytics	<p>Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis</p> <p>(Contact: gdallenens@ravenpack.com)</p>
ScrapeHero	Data as a Service	<p>We are a custom alternative data provider. Fully managed enterprise-grade web scraping service.</p> <p>(Contact: hello@scrapehero.com)</p>
SentiFi AG	SentiFi Data Analytics	<p>SentiFi Data Analytics provides analytics from social media, news articles and blogs, combined with financially relevant market data, that can shape investment strategies and help monitor the risk inherent in a portfolio. Our customers use these insights to make better investment decisions, often ahead of the markets.</p> <p>(Contact: alessio.biribicchi@sentiFi.com)</p>
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	<p>SESAMm aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages. Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies.</p> <p>(Contact: enquiries@sesamm.com)</p>
Tick Data	Reference Data	Corporate Actions, Equity Symbol Map, and Historical Calendar Information
Tick Data	Global Market Data	Tick by tick level 1 quotes (best bid/asks per exchange) for Equities, Futures, Options, FX and Cash Indices.
Tick Data	Targeted Data Solutions	Transaction cost analysis and Market Surveillance solutions.

FX/Asia

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	<p>As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a</p>

Alternative Data Directory – Products by Asset Class and Region

FX/Asia

Company Name	Product Name	Product Description
		24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)

FX/US

Company Name	Product Name	Product Description
Brave New Coin	Liquid Indices Program	Trusted USD prices for Bitcoin, Ethereum and Ripple.
Quant Connect	QuantConnect Data Explorer	TradeBar - TradeBar represents trade ticks of assets consolidated for a period, QuoteBar represents top of book quote data consolidated over a period of time (bid and ask bar), Tick - Tick data represents an individual record of trades ("trade ticks") or quote updates ("quote tick") for an asset. Tick data is instantaneous - it does not have a period. Data available for following asset classes: Equity, Forex, Options, Futures and Crypto
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
Social Market Analytics, Inc (SMA)	Activity Feed	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)

FX/Europe

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
Social Market Analytics, Inc (SMA)	Activity Feed	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)

FX/Japan

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)

FX/Others

Company Name	Product Name	Product Description
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share

Alternative Data Directory – Products by Asset Class and Region

FX/Others

Company Name	Product Name	Product Description
		local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
Social Market Analytics, Inc (SMA)	Activity Feed	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)

Alternative Data Directory – Products by Asset Class and Region

Commodity

Commodity/Global

Company Name	Product Name	Product Description
1Forge	1Forge	1Forge is the only provider that delivers true FIX speed with the convenience of an API. It provides Exchange Rate API, Currency Conversion API and Realtime Forex Quote API, serving realtime tick data for over 500 forex currency pairs and commodities.
Advan Research Corporation, LLC	Foot traffic data and Weather data	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies (Contact: info@advan.us)
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Analysis of financial text, emulating how a human financial professional would read and interpret the context of the information: who it is about, what the topics are, and how will it impact the asset (positive/neutral/negative) (Contact: info@alexandriatechnology.com)
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	The datasets contains the output Flags of our financial risk forecasting analytics (equity product range), these Flags provide hours or days advance warning of major directional market movements. (Contact: jeremy.sosabowski@algodynamix.com)
AlphaLetters	AlphaLetters, AlphaData	AlphaLetters helps investors build novel and profitable strategies by screening quantitative research by professors, researchers, traders worldwide. (Contact: info@alphaletters.com)
Amass	Insights	With access to over 8 million datasets, Ingishts offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
aWhere	In-Time Weather Data	aWhere combines the granularity of a weather station with the spatial coverage of a satellite. Advanced indices inform key field operations and signal when different crops are under drought stress. Look back in time to see how weather variability has impacted crop production, serving as a strong base for weather-indexed financial instruments to manage risk
aWhere	Maps4ER	Maps for Economic Resilience (MAPS4ER) will provide your team with daily global weather content that will enable powerful visual analytics over time and space on how our weather has changed to guide investments, infrastructure, food-systems, and policy decisions to enable a coordinated response to deliver Economic Resilience to Climate Change (ERCC).
aWhere	Weather Insights	The Insights product draws on years of practical expertise in agrometeorology, agronomy, crop improvement, markets and policies to empower our clients to make timely, quantitative and relevant decisions to enhance production, quality, and reduce risks by making climate-smart decisions along the entire agriculture value chain
AYLIEN Limited	News API	Our News API uses machine learning and Natural Language Processing technology to aggregate, analyze and deliver news as an enriched data feed. We currently collect news content in real-time from about 40,000 sources in multiple languages and provide an ever growing flexible and searchable news dataset. (Contact: mike@aylien.com)
BMLL Technologies Limited	BMLL Platform	BMLL provides access to the deepest granularity of exchange data available. Collected directly from over 50 sources of data (equity exchanges, MTFs, futures and options exchanges, fixed income and FX venues), customers can access every event recorded by the matching engine. For example, every new order, cancellation, change in size, change in price and every execution is recorded as a separate event. BMLL makes this data available on a rental, pay-as-you-go model. (Contact: bencollins@bmlltech.com)
Dataminr	Dataminr for Finance	Dataminr uses a proprietary classification system to build connections among thousands of companies, tickers, brands, and subsidiaries to feed relevant financial news
Descartes Labs	Descartes Lab Platform	Custom solutions that deliver financial and operational advantages through use of our general-purpose machine-learning platform.
Digital Globe	Advanced Elevation Suite	DigitalGlobe's Advanced Elevation Suite provides the highest quality digital elevation models (DEMs), available off-the-shelf or custom-built. With global coverage and options for accuracy and resolution, our models are GIS-ready, so you can focus on analysis, not processing.

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Product Description
Digital Globe	Imagery mosaics	When you rely on geospatial data to inform decisions about your community and your customer base, your output is only as good as the input. Mosaics provide the best foundation for building accurate, aesthetically pleasing, actionable satellite imagery maps.
Digital Globe	Satellite imagery	Satellite imagery provides foundational context and visualization of on-ground conditions, empowering organizations to make critical, time-sensitive decisions. Emerging remote sensing technologies continue to broaden the capabilities of imaging satellites, providing more types of data at a global scale.
Digital Globe	Short-wave infrared imagery	DigitalGlobe goes deeper into the infrared spectrum than any other very high-resolution commercial imagery provider to help remote sensing experts unlock critical information through advanced analytic capabilities. Data-rich short-wave infrared (SWIR) imagery is ideal for categorizing man-made and natural material, penetrating smoke, detecting fire, mapping minerals, and more.
Flexport	Market updates	Weekly insights into all things freight.
Genscape	Customer Pricing Model	Sophisticated pricing tool for retail energy products with guidance from industry experts.
Genscape	Energy Management Dashboard	A comprehensive single platform for viewing wholesale market data, Energy Supply Company (ESCO) customer data, and generator performance data.
Genscape	Equity Midstream Insight	Midstream company valuations are heavily on a collection of spot or market volumes above fee based take-or-pay volumes. We use proprietary sensors to provide daily throughput estimates for 21 midstream companies
Genscape	Global Oil Supply Report	Global Oil Supply Report delivers country level production history and bottom up forecasts broken out by liquid type
Granular.ai	Granular EM Satellite Insights	This dataset comprises of three models that provide timely economic insights into China and other emerging markets. The first looks at metal inventory levels at Ports and Industrial sites. The second looks at industry capacity and industrial activity. The final model looks at urban construction rates. (Contact: sid@granular.ai)
Gro Intelligence	Gro	Easily navigate our vast range of data, updated with the latest information, build dynamic visual displays and perform analysis.
Gro Intelligence	Gro API	Access tens of millions of data series which can be used alone or in combination with your proprietary data to build or improve your own models.
ICEYE	Global raw material supply chain monitoring	Monitoring of sites at where economic activity can be seen from above such as harbours, mines, and storage areas. (Contact: chris.winquist@iceye.fi)
InformaFinancialIntelligence	Banking	Client Engagement Research, Delivery Channel Research, Financial Institution Product and Pricing Data, Peer Benchmarking, and Targeted Advertising.
InformaFinancialIntelligence	Investment and Asset Management	Asset allocation, planning and analysis, equity market liquidity research, fund flow and allocations data and insights, FX and rates insights, Investment manager analysis and reporting, Money market fund insights, primary bond market insights, private placement data and analysis, and strategic marketing solutions.
InformaFinancialIntelligence	Wealth Management	Asset allocation, planning and analysis, custom investment proposal creation, factsheet production, GIPS investment composite management, investment performance reporting, investment manager research, investment policy statement compliance, separately managed accounts data.
Jettrack.io	JetTrack	10 Years of ownership and flights, for current and acquired companies.
Kayros SAS	Gas Liquefaction Plant Monitor	Liquefied natural gas (LNG) is taking center stage in the world's natural gas value chain, and liquefaction capacity projects are ramping up. Although demand is rapidly growing, delays and plant outages are hindering supply growth, disrupting the current LNG supply & demand balance. At Kayros, our data scientists designed a tool to monitor the status of installed liquefaction capacity across 20 countries, accounting for more than 330 MMtpa. Additionally, we leverage satellite imagery to monitor new constructions in near real-time. Get timely alerts on outages and restarts at LNG liquefaction plants worldwide. Leverage satellite imagery to verify or invalidate news reports of LNG train activity. Follow the construction of future LNG projects and receive alerts when new trains enter into production. Receive worldwide train-by-train historical activity data to perform accurate historical analysis.

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Product Description
(Contact: j.bambridge@kayrros.com)		
Kayrros SAS	Global Crude Oil Inventory Tracker	Kayrros monitors the global crude oil inventory via satellite imagery for both onshore and floating storage. We monitor a global storage capacity of approximately 4 billion barrels for onshore crude oil facilities. (Contact: s.calisti@kayrros.com)
MariTrace	MariData	MariData systematically tracks the worldwide movements of over 50,000 commercial ships between 7,500 ports. The data set is a record of every individual cargo movement, including details on the load and discharge port, and an estimate of the type and tonnage of the cargo on board. (Contact: w.ellison@maritrace.com)
MarketPsych Data	MarketPsych Indices	We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minute, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation. (Contact: info@marketpsychdata.com)
Mavrx	Taranis	A full-stack solution for high precision aerial surveillance imagery to prevent crop yield loss due to insects, crop disease, weeds, and nutrient deficiencies.
Orbital Insight	GO Energy	Access the most accurate oil storage numbers, covering 6 Billion barrels of global oil storage capacity. Orbital Insight delivers objective, transparent, and timely crude oil volumes sourced from one empirical methodology to provide daily inventories for the globe, down to the granularity of Wink, Texas.
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
RavenPack	RavenPack Analytics	Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis (Contact: gdallen@ravenpack.com)
ReRisk AG	RepRisk ESG Risk Platform/Data Feed	RepRisk's flagship product, the ESG Risk Platform, is the world's largest due diligence database on ESG and business conduct risks, and serves as the foundation for all our products and services. The Platform supports data-driven decision-making by leveraging proprietary quantitative data (risk metrics and analytics) and extensive qualitative research for companies, projects, sectors, countries, ESG issues, NGOs, and more. It is delivered as a Software as a Service, with a user-friendly interface and access at any time, from anywhere. RepRisk Data Feeds are customized exports of RepRisk's proprietary risk metrics and analytics that are integrated into your internal systems. They are delivered in CSV or XML format via a secure FTP, on a daily, weekly, or monthly basis. (Contact: indira.abraham@reprisk.com)
Rezatec	Agriculture Management	Geospatial data analytics for optimising agribusiness operations. Businesses involved in agriculture, from farmers to FMCG companies, can benefit from our innovative agricultural monitoring techniques and satellite-derived data analytics.
Rezatec	Financial Services	Geospatial data analytics for global commodity trends. Dynamic geospatial analytical insights are delivered via Rezatec's secure portal providing frequently updated information on global commodities.
Rezatec	Forest Management	Geospatial Analytics Service for Forest Management.
Rezatec	Water Management Services	Geospatial data analytics for managing water catchments and pipeline risk. Rezatec's Geospatial Artificial Intelligence (AI) solution for water network operators combines remote sensing and data science to identify the conditions under which network failures occur and to quantify the Likelihood of Failure across the network.

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Product Description
RS Metrics	MetalSignals	MetalSignals measures inventories from more than 200 global smelters, refiners, and mining facilities using AI-enhanced satellite imagery analysis. (Contact: msagar@rsmetrics.com)
Satellite Imaging Corporation	Mining and Mineral Exploration	Satellite imagery and aerial photography have proven to be important tools in support of mineral exploration projects. They can be used in a variety of ways. Firstly they provide geologists and field crews the location of tracks, roads, fences and inhabited areas. This is important for mapping out potential access corridors for exploration areas and considering the environmental impact of large project. The satellite map data is also useful for mapping outcrops and regolith systematics and vegetation cover across exploration blocks and over regional areas
ScrapeHero	Data as a Service	We are a custom alternative data provider. Fully managed enterprise-grade web scraping service. (Contact: hello@scrapehero.com)
SentiFi AG	SentiFi Data Analytics	SentiFi Data Analytics provides analytics from social media, news articles and blogs, combined with financially relevant market data, that can shape investment strategies and help monitor the risk inherent in a portfolio. Our customers use these insights to make better investment decisions, often ahead of the markets. (Contact: alessio.biribicchi@sentiFi.com)
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	SESAMM aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages. Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies. (Contact: enquiries@sesamm.com)
Spire	SPACE ADS-B	Automatic Dependent Surveillance-Broadcast (ADS-B), and specifically space ADS-B, is a precise space surveillance system that uses GPS to determine airspeed, location, and other information about aircraft. Use of nanosatellites are the only cost-effective way of collecting ADS-B data from remote regions and observing an aircraft's full flight profile. Extending beyond the coverage of ground stations means smoother operations and routing.
Spire	SPIRE OS:ORBITALSERVICES	Spire works with businesses & government to co-create and deploy customizable data collection satellites within just six months. This is secure, real-time data from custom payloads fitted to a customer's needs.
Spire	Spire Sense Cloud	Spire Sense Cloud offers a one-stop-shop for maritime data analytics. Our customers are companies who want best-in-class maritime domain awareness and state-of-the-art vessel tracking.
Spire	SPIRE STRATOS	The Spire Stratos sensor, which uses signals from global navigation satellites, gathers data about our atmosphere, ground, oceans, and magnetic field.
STR	Competitive Benchmarking	Competitive benchmarking enables you to analyze a customized set of competitors, empowering you to make the right decisions to drive your business forward.
STR	Forecasts	Make confident decisions with insights into the future. With a forecasting model built on a wealth of historical data, our reports enable you to understand the current market landscape and receive foresight into future performance and industry trends
STR	Industry Trends	Dive into historical performance trends and see how the industry adapts to changing market dynamics. These unrivaled insights empower you to make informed decisions.
STR	Profit and Loss Reports	Gain a clear understanding of your property's bottom line with a comprehensive overview of financial performance and competitive insights. Our profit and loss reports analyze your revenue and expenses, helping you identify the profitability trends that inform your revenue management strategy.
Tick Data	Global Market Data	Tick by tick level 1 quotes (best bid/asks per exchange) for Equities, Futures, Options, FX and Cash Indices
Tick Data	Reference Data	Corporate Actions, Equity Symbol Map, and Historical Calendar Information.
Tick Data	Targeted Data Solutions	Transaction cost analysis and Market Surveillance solutions.
World Bank	DataBank	DataBank is an analysis and visualisation tool that contains collections of time series data on a variety of topics. You can create your own queries; generate tables, charts, and maps; and easily save, embed, and

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Product Description
		share them.
World Bank	Microdata Library	Provides access to data collected through sample surveys of households, business establishments or other facilities.
World Bank	Open Data Catalog	Provides a listing of available World Bank datasets, including databases, pre-formatted tables, reports, and other resources.
World Bank	Open Finances	Explore raw data about the World Bank Group's finances, including disbursements and management of global funds.
World Bank	World Development Indicators	The primary World Bank collection of development indicators, compiled from officially-recognized international sources.

Commodity/Asia

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)

Commodity/US

Company Name	Product Name	Product Description
CME	Tellus Labs	TellusLabs Crop Health Index (TL CHI) and Normalized Difference Vegetation Index (NDVI) are satellite-based scores of plant condition and progress that can help commodities researchers understand the status of a given crop. (Contact: MarketTechSales@cme.com)
Kayrros	E&P Intelligence	Well completion data for US tight oil plays derived from satellite measurements. Data contains information on operators, pressure pumpers, completion dates, lateral lengths all at the well level and reported ahead of quarterly earnings. (Contact: contact@kayrros.com)
Platts RigData	Platts Wellscape 4.0	A rich library of current and history of US & Canada Oil & Gas activity that spans the following well construction phases: permitting, drilling (supply & demand), completion and production (Contact: jgarcia@rigdata.com)
Quant Connect	QuantConnect Data Explorer	TradeBar - TradeBar represents trade ticks of assets consolidated for a period, QuoteBar - QuoteBar represents top of book quote data consolidated over a period of time (bid and ask bar), Tick - Tick data represents an individual record of trades ("trade ticks") or quote updates ("quote tick") for an asset. Tick data is instantaneous - it does not have a period. Data available for following asset classes: Equity, Forex, Options, Futures and Crypto
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Alternative Data Directory – Products by Asset Class and Region

Commodity/Europe

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
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Commodity/Japan

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)

Commodity/Others

Company Name	Product Name	Product Description
Agricultural Research Federation (AgReFed)	Data Discovery	Two key facilitators for CeRDI research discoveries in data centre on: 1) maximising the exploration and analysis by CeRDI discipline experts of available research-ready data sets; and, 2) expanding, through the mechanism of crowdsourcing and citizen science, the scope of new data included within each spatial knowledge initiative.
Ambiental	Environmental Assessments for Planning	As environmental specialists, we can offer a variety of environmental surveys and assessments for our clients. These environmental assessments can be used to obtain planning permission where environmental concerns have been cited, reduce the costs associated with rejected planning applications, and gain environmental credits towards BREEAM certification. (Contact: drainage@ambiental.co.uk)
Ambiental	Flood risk assessments (FRAs)	By gaining insight into the flood risk to your site you can make better decisions to prevent or minimise the damage that flooding can cause. Our expertise in flood risk assessments help hundreds of clients do that each year, from individual property owners across the UK to international developers. (Contact: drainage@ambiental.co.uk)
Ambiental	Sustainable Drainage Strategies (SuDS)	Local Planning Authorities and the national environmental agencies are increasingly asking developers to show how they'll manage surface water for their development in the form of a surface water drainage strategy systems or a sustainable drainage strategies (SuDS). (Contact: drainage@ambiental.co.uk)
CME	Tellus Labs	TellusLabs Crop Health Index (TL CHI) and Normalized Difference Vegetation Index (NDVI) are satellite-based scores of plant condition and progress that can help commodities researchers understand the status of a given crop. (Contact: MarketTechSales@cmegroup.com)
Kayros SAS	Global Crude Oil Inventory Tracker	Kayros monitors the global crude oil inventory via satellite imagery for both onshore and floating storage. We monitor a global storage capacity of approximately 4 billion barrels for onshore crude oil facilities. (Contact: s.calisti@kayros.com)
Platts RigData	Platts Wellscape 4.0	A rich library of current and history of US & Canada Oil & Gas activity that spans the following well construction phases: permitting, drilling (supply & demand), completion and production (Contact: jgarcia@rigdata.com)
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and

Alternative Data Directory – Products by Asset Class and Region

Commodity/Others

Company Name	Product Name	Product Description
		anti-fraud checks. (Contact: press@premise.com)
Social Market Analytics, Inc (SMA)	Activity Feed	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)
Understory	Atmosphere	Understory comprehensively assesses the critical impact of weather and air quality conditions on cities, communities, and businesses with Atmosphere.
Understory	Agriculture	Understory has developed hyper-local weather data that will allow those in the agricultural industry to know the exact weather conditions in their crops
Understory	Insurance Industry	Understory's hyper-local weather monitoring networks record individual hailstone impacts, wind gusts and even rain drops. We pull this environmental data into actionable material like storm scorecards and hail reports.
Understory	Utility Companies	Utility companies use wind data provided by Understory improve response to outages.

Alternative Data Directory – Products by Asset Class and Region

Real Estate

Real Estate/Global

Company Name	Product Name	Product Description
Advan Research Corporation, LLC	Foot traffic data and Weather data	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies (Contact: info@advan.us)
Alphamatician	Web Interface	Graphical web interface that provides access to numerous Alphamatician datasets.
Amass	Insights	With access to over 8 million datasets, Ingisights offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
CB Richard Ellis Inc.	Real estate	CB Richard Ellis offers quarterly Real Estate data such as regional rents and vacancies.
CB Richard Ellis Inc.	Global Workplace Solutions	We believe that every place of work can be a competitive advantage for our clients. Productivity, reliability, engagement, safety, brand – the workplace enables business results whether work happens in an office, retail, laboratory, manufacturing, or virtual location.
CB Richard Ellis Inc.	ADVISORY SERVICES	We provide a robust range of investor services designed to drive real estate performance and asset value.
Earthcube	Security/Environment	Activity monitoring based on the automatic analysis of data from various sources.
Earthcube	Defense	Monitoring of sites of interest, in relation with the current main conflicts.
Earthcube	Economic Intelligence	Monitoring of the global commodity supply chain.
Factual	Places	Factual Places helps businesses utilize high quality, extensive global data on more than 130 million places/points of interest across 52 countries in 475+ categories to derive insights on retail-focused public market equities. (Contact: may@factual.com)
MarketPsych Data	MarketPsych Indices	We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minutely, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation. (Contact: info@marketpsychdata.com)
RavenPack	RavenPack Analytics	Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis. (Contact: gdallennes@ravenpack.com)
Real Capital Analytics	market data	However you want to define your market — a neighborhood, city, province, country or continent — RCA's decade or more of historical data gives you a full understanding of its investment dynamics. Make comparisons and perform trend analyses; create rankings or generate lists of the top players; gain powerful insight into the key metrics and relative values of any market.
Real Capital Analytics	Property Data	We can tell you everything you need to know about a property and deal – its physical characteristics, tenancy, capitalization, ownership history and prior transaction details. But it doesn't stop there; the same information we can tell you about that specific property, we can also tell you about the surrounding properties and make you an immediate expert on any location.
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	RepRisk's flagship product, the ESG Risk Platform, is the world's largest due diligence database on ESG and business conduct risks, and serves as the foundation for all our products and services. The Platform supports data-driven decision-making by leveraging proprietary quantitative data (risk metrics and analytics) and extensive qualitative research for companies, projects, sectors, countries, ESG issues, NGOs, and more. It is delivered as a Software as a Service, with a user-friendly interface and access at any time, from anywhere.

Alternative Data Directory – Products by Asset Class and Region

Real Estate/Global

Company Name	Product Name	Product Description
		RepRisk Data Feeds are customized exports of RepRisk's proprietary risk metrics and analytics that are integrated into your internal systems. They are delivered in CSV or XML format via a secure FTP, on a daily, weekly, or monthly basis. (Contact: indira.abraham@reprisk.com)
ScrapeHero	Data as a Service	We are a custom alternative data provider. Fully managed enterprise-grade web scraping service. (Contact: hello@scrapehero.com)
SpaceNet on AWS	SpaceNet	A corpus of commercial satellite imagery and labeled training data to foster innovation in the development of computer vision algorithms. The current SpaceNet corpus includes approximately 1,900 square kilometers full-resolution 50 cm imagery collected from DigitalGlobe's WorldView-2 commercial satellite and includes 8-band multispectral data.
STR	Competitive Benchmarking	Competitive benchmarking enables you to analyze a customized set of competitors, empowering you to make the right decisions to drive your business forward.
STR	Industry Trends	Dive into historical performance trends and see how the industry adapts to changing market dynamics. These unrivaled insights empower you to make informed decisions.
STR	Profit and Loss Reports	Gain a clear understanding of your property's bottom line with a comprehensive overview of financial performance and competitive insights. Our profit and loss (P&L) reports analyze your revenue and expenses, helping you identify the profitability trends that inform your revenue management strategy.
STR	Forecasts	Make confident decisions with insights into the future. With a forecasting model built on a wealth of historical data, our reports enable you to understand the current market landscape and receive foresight into future performance and industry trends
StreetLight Data	Traffic Engineering and Operations	From optimizing traffic signal timing to road construction to implementing traffic calming measures, successful traffic engineering and operations demand empirical data and safe implementation. StreetLight InSight® offers support in several key areas.
StreetLight Data	Smart Cities and New Mobility	We provide empirical data that empowers smarter cities. Across North America, StreetLight's analytics help guide decisions about emerging technology and infrastructure for autonomous vehicles, ride-hailing services, electric cars, and more. Covering virtually every road, sidewalk and park lane, our metrics span multiple travel modes and time periods. Use StreetLight InSight® to make decisions and "travel back in time" to determine the impact.
Vertical Knowledge	VK Data Subscriptions	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)

Real Estate/Asia

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Thinknum, Inc.	Thinknum	Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance. (Contact: jzhen@thinknum.com)

Alternative Data Directory – Products by Asset Class and Region

Real Estate/US

Company Name	Product Name	Product Description
Alpha Hat	Alpha Hat	Geolocation data & research for fundamental investors to gain actionable intelligence from alternative data. (Contact: research@alphahat.com)
Big Byte Insights, Ltd	Self Storage Survey	Pricing trends for the self storage REITs (Contact: shahzeb@bigbyteinsights.com)
Discern	Business Valuation (Public and Private)	DISCERN blends Big Data (Financial + Alternative Data) together to provide a more thoughtful and nuanced valuation of products, assets, markets and business entities.
Discern	Corporate Strategy	DISCERN blends Big Data (Financial + Alternative Data) together to provide a more thoughtful and nuanced valuation of products, assets, markets and business entities.
Discern	Financial Forecasting	DISCERN blends Big Data (Financial + Alternative Data) together to provide a more thoughtful and nuanced valuation of products, assets, markets and business entities.
Discern	Financing Prep (IPO, Venture, Private Equity)	DISCERN blends Big Data (Financial + Alternative Data) together to provide a more thoughtful and nuanced valuation of products, assets, markets and business entities.
Enigma	Data Offerings	Data on 30 million US SMBs, profiles of customers and consumer populations, location-based-insights related to companies, customers and their networks
Enigma	Public Data	Information recorded by local, state and federal governments as well as universities, NGOs, and nonprofits for the purposes of public use
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
IHS Markit	Research Signals Equity REIT II Model	Uses detailed property-level information such as occupancy rate, location, demographic trends, building quality and investor sentiment to construct a bottom-up assessment of REIT net asset value. (Contact: timothy.barello@ihsmarkit.com)
PlaceIQ Inc.	LandMark Data	With PlaceIQ's Data as a Service offering, LandMark Data Access, clients are able to gain hands-on access to premier location data to conduct cutting edge analytics and insights. Access is made available in a variety of models, including: reports, dashboards, syndicated data feeds, and an "all you can eat" model (full data install of all tracker brands). (Contact: Nadya Kohl, EVP of Marketing and Business Development, nkohl@placeiq.com)
Placemeter	Smart Cities	Using proprietary computer vision algorithms, video streams are transformed into meaningful data about the volume and direction of pedestrians, bikes, and vehicles.
Thasos	ConsumerStreams Visitation	ConsumerStreams provides subscribers with daily customer visitation, derived from mobile phone location data, to individual store, restaurant, or other location owned or operated by over 120 publicly listed companies. (Contact: info@thasos.com)
Thasos	IndustrialStreams	IndustrialStreams provides subscribers with daily visitation, derived from mobile phone location data, to industrial locations owned or operated by over 90 publicly listed companies. (Contact: info@thasos.com)
Thasos	MallStreams Attribution	MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest. (Contact: info@thasos.com)
Thasos	MallStreams Visitation	MallStreams foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs. (Contact: info@thasos.com)

Alternative Data Directory – Products by Asset Class and Region

Real Estate/US

Company Name	Product Name	Product Description
Thasos	QStreams	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)
Thinknum, Inc.	Thinknum	Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance. (Contact: jzhen@thinknum.com)
YipitData	Redfin (RDFN)	YipitData provides investors with data on Redfin's lead agents count, brokerage real estate transactions, and brokerage revenue per transaction, accurate to within 2% of company reported figures. We track nearly 100% of the above metrics, which accounts for 90%+ of Redfin's total revenue. In addition to top-line metrics, our agent / transaction-level data allows for analysis by geographic region and agent cohort. (Contact: jwhite@yipitdata.com)
YipitData	Zillow (ZG)	YipitData provides investors with granular data and analysis on Zillow's iBuyer and Premier Agent (PA) businesses. We also provide a proprietary PA revenue model that estimates agent-level ad spend and ROI using our agent ads and transactions data. We also track OpenDoor. (Contact: jwhite@yipitdata.com)

Real Estate/Europe

Company Name	Product Name	Product Description
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
Thinknum, Inc.	Thinknum	Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance. (Contact: jzhen@thinknum.com)

Real Estate/Japan

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Nowcast	JCB Consumption NOW	Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan. (Contact: tsujinaka@nowcast.co.jp)
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data. (Contact: tsujinaka@nowcast.co.jp)

Alternative Data Directory – Products by Asset Class and Region

Real Estate/Others

Company Name	Product Name	Product Description
Alphamatician	Professional services	Custom data collection, Analysis and research, Data management.
Ambiental	Environmental Assessments for Planning	As environmental specialists, we can offer a variety of environmental surveys and assessments for our clients. These environmental assessments can be used to obtain planning permission where environmental concerns have been cited, reduce the costs associated with rejected planning applications, and gain environmental credits towards BREEAM certification. (Contact: drainage@ambiental.co.uk)
Ambiental	Flood risk assessments (FRAs)	By gaining insight into the flood risk to your site you can make better decisions to prevent or minimise the damage that flooding can cause. Our expertise in flood risk assessments help hundreds of clients do that each year, from individual property owners across the UK to international developers. (Contact: drainage@ambiental.co.uk)
Ambiental	Sustainable Drainage Strategies (SuDS)	Local Planning Authorities and the national environmental agencies are increasingly asking developers to show how they'll manage surface water for their development in the form of a surface water drainage strategy systems or a sustainable drainage strategies (SuDS). (Contact: drainage@ambiental.co.uk)
Buddy	Buddy Cloud	Buddy Cloud enables ubiquitous access to and storage of data from any environment – recreational vehicles, schools, commercial buildings or an entire city – in support of smarter, healthier spaces.
Buddy	Digital Transformation	Buddy Digital Transformation Services helps businesses realize the power of these emerging technologies to provide engaging products and services to their customers; driving stronger business results.
Buddy	Buddy Ohm	Buddy Ohm is a resource monitoring solution that simplifies building operations and provides peace of mind by harnessing real-time utility and operational data to reduce or mitigate risk and improve operations, savings and sustainability.
Buddy	Parse on Buddy	Parse on Buddy is a mobile backend as a service (mBaaS) built on the world's most popular BaaS technology. A complete, secure, and scalable service capable of hosting the world's most trafficked apps. Parse on Buddy is a free to use service.
Buddy	Airstream	With all-new Smart Control Technology, you can control and monitor your Airstream Classic's most important features and amenities from anywhere – and stay connected to the comforts of home, even when you're far from it.
Buildfax	Insurance Solutions	Leverage property insights you can trust to make confident, revenue-impacting decisions.
Buildfax	Investment Solutions	Unlock the power of real estate data to support smarter investment decisions.
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Insight Data Solutions	AVM	Price estimate and property information of all Australian residences (Contact: claudio@ids.io)

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic

Macro-Economic/Global

Company Name	Product Name	Product Description
Advan Research Corporation, LLC	Foot traffic data and Weather data	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies (Contact: info@advan.us)
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Analysis of financial text, emulating how a human financial professional would read and interpret the context of the information: who it is about, what the topics are, and how will it impact the asset (positive/neutral/negative) (Contact: info@alexandriatechnology.com)
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	The datasets contains the output Flags of our financial risk forecasting analytics (equity product range), these Flags provide hours or days advance warning of major directional market movements. (Contact: jeremy.sosabowski@algodynamix.com)
Amass	Insights	With access to over 8 million datasets, Ingisights offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassisinsights.com)
AYLIEN Limited	News API	Our News API uses machine learning and Natural Language Processing technology to aggregate, analyze and deliver news as an enriched data feed. We currently collect news content in real-time from about 40,000 sources in multiple languages and provide an ever growing flexible and searchable news dataset. (Contact: mike@aylien.com)
CEIC Data	Global Databases	Granular country-level information on several macroeconomic sectors, such as inflation, exports, tourism and more
CEIC Data	World Trend Plus	This database includes key indicators such as GDP, IPI, FDI, and CPI.
Exante Data	Global Flow Analytics	Global Flow Analytics is a comprehensive service covering key aspects of the global capital flow picture
Factual	Places	Factual Places helps businesses utilize high quality, extensive global data on more than 130 million places/points of interest across 52 countries in 475+ categories to derive insights on retail-focused public market equities. (Contact: may@factual.com)
Granular.ai	Granular EM Satellite Insights	This dataset comprises of three models that provide timely economic insights into China and other emerging markets. The first looks at metal inventory levels at Ports and Industrial sites. The second looks at industry capacity and industrial activity. The final model looks at urban construction rates. (Contact: sid@granular.ai)
ICEYE	Global raw material supply chain monitoring	Monitoring of sites at where economic activity can be seen from above such as harbours, mines, and storage areas. (Contact: chris.winquist@iceye.fi)
Informa Financial Intelligence	EPFR	EPFR tracks Fund Flow and Asset Allocation data, giving clients a view of investor and manager sentiment globally. (Contact: todd.willits@informa.com)
Kayros SAS	Gas Liquefaction Plant Monitor	Liquefied natural gas (LNG) is taking center stage in the world's natural gas value chain, and liquefaction capacity projects are ramping up. Although demand is rapidly growing, delays and plant outages are hindering supply growth, disrupting the current LNG supply & demand balance. At Kayros, our data scientists designed a tool to monitor the status of installed liquefaction capacity across 20 countries, accounting for more than 330 MMtpa. Additionally, we leverage satellite imagery to monitor new constructions in near real-time. Get timely alerts on outages and restarts at LNG liquefaction plants worldwide. Leverage satellite imagery to verify or invalidate news reports of LNG train activity. Follow the construction of future LNG projects and receive alerts when new trains enter into production. Receive worldwide train-by-train historical activity data to perform accurate historical analysis. (Contact: j.bambridge@kayros.com)
LinkUp	RAW	A collection of reports and feeds that incorporates the entirety of LinkUp's historical dataset.

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Global

Company Name	Product Name	Product Description
LinkUp	Market Reports	An application that generates reports that extract real-time and historical job market data.
LinkUp	Job Listing Content	Distribution and filtering of LinkUp's job listings through feeds, search, and publisher solutions.
LinkUp	Data Packages	Real-time reports that provide insights at a macro, geographic, company, and sector level.
MariTrace	MariData	MariData systematically tracks the worldwide movements of over 50,000 commercial ships between 7,500 ports. The data set is a record of every individual cargo movement, including details on the load and discharge port, and an estimate of the type and tonnage of the cargo on board. (Contact: w.ellison@maritrace.com)
MarketPsych Data	MarketPsych Indices	We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minutely, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation. (Contact: info@marketpsychdata.com)
Orbital Insights	GO Energy	Access the most accurate oil storage numbers, covering 6 Billion barrels of global oil storage capacity. Orbital Insight delivers objective, transparent, and timely crude oil volumes sourced from one empirical methodology to provide daily inventories for the globe, down to the granularity of Wink, Texas.
Prattle Analytics	Prattle Central Bank Analytics	Prattle identifies the degree to which every communication coming from every major central bank around the world is hawkish or dovish (Contact: evan@prattle.co)
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
Qlik	Attunity Replicate	Attunity Replicate empowers organizations to accelerate data replication, ingestion and streaming across a wide variety of heterogeneous databases, data warehouses, and big data platforms. Used by hundreds of enterprises worldwide, Attunity Replicate moves your data easily, securely and efficiently with minimal operational impact
Qlik	Qlik core	Qlik Core is an analytics development platform built around our powerful Associative engine and Qlik-authored open source libraries.
Qlik	Qlik sense	Qlik Sense sets the benchmark for a new generation of analytics. With its one-of-a-kind associative analytics engine, sophisticated AI, and scalable multi-cloud architecture, you can empower everyone in your organization to make better decisions daily, creating a truly data-driven enterprise.
Qlik	Qlik View	QlikView is our classic analytics solution for rapidly developing highly-interactive guided analytics applications and dashboards, delivering insight to solve business challenges.
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Global Macro Smart Data enables to estimate the economic growth in 20+ countries in real-time, including in China, South Korea or Argentina. By construction, our data has a correlation higher than 90% with official numbers for most countries. Global Smart Data includes also other key macro variables such as job market or inflation. (Contact: info@q3-technology.com)
RavenPack	RavenPack Analytics	Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis (Contact: gdallen@ravenpack.com)
RS Metrics	MetalSignals	MetalSignals measures inventories from more than 200 global smelters, refiners, and mining facilities using Al-

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Global

Company Name	Product Name	Product Description
		enhanced satellite imagery analysis. (Contact: msagar@rsmetrics.com)
ScrapeHero	Data as a Service	We are a custom alternative data provider. Fully managed enterprise-grade web scraping service. (Contact: hello@scrapehero.com)
Selerity	Selerity Context	A.I. powered contextual search & personalization service for platforms serving financial professionals and retail investors.
Selerity	Real-time Event Data	Market-moving factual information from public only sources using real-time search & extraction.
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	SESAMM aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages... Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies. (Contact: enquiries@sesamm.com)
Trade and Tariff Data	WTO Data portal	The WTO Data portal contains statistical indicators related to WTO issues. Available time series cover merchandise trade and trade in services statistics, market access indicators (bound, applied & preferential tariffs), non-tariff information as well as other indicators. Data retrieval functionalities include data selection, display and export, including available metadata.
Trade and Tariff Data	WTO publications	The WTO produces a wide range of publications on various trade-related issues. The vast majority of these publications may be downloaded from the WTO website
Trade and Tariff Data	Economic research and analysis	The WTO provides economic analysis and research that aims to deepen understanding about trends in trade, trade policy issues and the multilateral trading system.
Trade and Tariff Data	Trade and tariff data	The WTO provides quantitative information in relation to economic and trade policy issues. Its data-bases and publications provide access to data on trade flows, tariffs, non-tariff measures (NTMs) and trade in value added.
Vertical Knowledge	VK Data Subscriptions	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)
World Bank	DataBank	DataBank is an analysis and visualisation tool that contains collections of time series data on a variety of topics. You can create your own queries; generate tables, charts, and maps; and easily save, embed, and share them
World Bank	Open Finances	Explore raw data about the World Bank Group's finances, including disbursements and management of global funds.
World Bank	Open Data Catalog	Provides a listing of available World Bank datasets, including databases, pre-formatted tables, reports, and other resources.
World Bank	Microdata Library	Provides access to data collected through sample surveys of households, business establishments or other facilities.
World Bank	World Development Indicators	The primary World Bank collection of development indicators, compiled from officially-recognized international sources.

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Asia

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
YipitData	China Express Shipping (BTSI, JD, ZTO)	YipitData provides express parcel volume data on Best Express, JD Express and ZTO Express, combined represents nearly 40% of the China Express Shipping market, broken out by shipping origin and destination by city, city tier, and province. Given the granularity of our parcel-level data, we provide analysis on average delivery times and other key metrics for each company. (Contact: jwhite@yipitdata.com)

Macro-Economic/US

Company Name	Product Name	Product Description
BizQualify LLC	BQ Employment & Benefits	Accurate employee counts and detailed welfare (medical, dental, insurance, etc) and retirement (401k, defined contribution, defined benefit, profit sharing, etc) benefit details for all US public and private companies with at least one employee benefit plan. (Contact: info@bizqualify.com)
BizQualify LLC	BQ ESG	Assesses the degree of governance a company provides to their employees through their contributions, timeliness of payments, welfare and retirement benefits offered (Contact: info@bizqualify.com)
BizQualify LLC	BQ Credit	Assesses the financial health or public or private company using verifiable filings submitted to the IRS and Department of Labor (Contact: info@bizqualify.com)
Enigma	Data Offerings	Data on 30 million US SMBs, profiles of customers and consumer populations, location-based-insights related to companies, customers and their networks
Enigma	Public Data	Information recorded by local, state and federal governments as well as universities, NGOs, and nonprofits for the purposes of public use
Estimize, Inc.	Estimize	Crowdsourced EPS/Rev/KPI and economic (GDP, CPI, Oil inventory...) estimates from 85,000+ buy side and independent analysts. Deeper, more accurate, and more representative of true expectations than IBES. (Contact: sales@estimize.com)
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Federal Reserve Bank of St. Louis	Fred	Download, graph, and track many economic time series from US and international sources.
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
Jackson County GIS	Environment	Data on landslides, Soils, Vegetation, etc.

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/US

Company Name	Product Name	Product Description
Jackson County GIS	Development	Data on Urban reserves, Permits, Flood zones, Zoning districts.
Jackson County GIS	Water	Data on Vernal pools, Streams, Watershed maps etc.
Kyber Data Science	Kyber Cannabis Data	Kyber's proprietary data product focused on the cannabis market is designed specifically for financial services professionals. The source of the data is Headset, the leading retail analytics firm for cannabis-related businesses, with whom we have forged an exclusive relationship.
Kyber Data Science	Kyber Surveys	Kyber's survey products provide sophisticated demographic, retail and Internet trend analysis – without the need for internal survey formulation or analytics capabilities.
Legal Shield	LSEngage	LSEngage connects you to your growing team to help you support your business.
Orbital Insights	Orbital Insight GO	Orbital Insight GO ingests, interprets and analyzes petabytes geospatial data including electro-optical (EO) satellite imagery, synthetic aperture radar (SAR), Unmanned Aerial Vehicle (UAV), AIS, and geolocation signals. The GO platform applies proprietary data science and computer vision algorithms to contextualize raw data into actionable information allowing investors, corporates and governments to mitigate risk and spot opportunities near real-time. Using multiple sources of geospatial data and artificial intelligence, we deliver timely, objective and transparent analytics on a global scale. The Orbital Insight GO platform is versatile and designed to answer your specific question about the physical world.
Orbital Insights	OI Consumer	Understand customer traffic trends and manufacturing progress across the consumer industry.
PlaceIQ Inc.	LandMark Data	With PlaceIQ's Data as a Service offering, LandMark Data Access, clients are able to gain hands-on access to premier location data to conduct cutting edge analytics and insights. Access is made available in a variety of models, including: reports, dashboards, syndicated data feeds, and an "all you can eat" model (full data install of all tracker brands). (Contact: Nadya Kohl, EVP of Marketing and Business Development, nkohl@placeiq.com)
Pluribus Labs	US market mood analytics library	Sentiment analysis based on various public news sources and social media.
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Selerity	Real-time Event Data	Market-moving factual information from public only sources using real-time search & extraction.
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@sma.com)
Thasos	ConsumerStreams Attribution	ConsumerStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors that we observe at individual store, restaurant, or other location of interest. (Contact: info@thasos.com)
Thasos	ConsumerStreams Visitation	ConsumerStreams provides subscribers with daily customer visitation, derived from mobile phone location data, to individual store, restaurant, or other location owned or operated by over 120 publicly listed companies. (Contact: info@thasos.com)
Thasos	IndustrialStreams	IndustrialStreams provides subscribers with daily visitation, derived from mobile phone location data, to industrial locations owned or operated by over 90 publicly listed companies. (Contact: info@thasos.com)
Thasos	MallStreams Attribution	MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest. (Contact: info@thasos.com)
Thasos	MallStreams Visitation	MallStreams foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs. (Contact: info@thasos.com)

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/US

Company Name	Product Name	Product Description
Thasos	QStreams	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)
US Gov. Data	LOCAL GOVERNMENT	Open data is powering a new civic movement that is changing the way citizens experience our nation's cities, counties, and states.
US Healthcare Data	HealthData.gov API	The HealthData.gov API is used to provide software developers programmatic access to the contents of our data catalog. The API can be used to find recently added datasets, to search the catalog, to download the contents of the catalog for analysis, or to build a new data catalog tool.
Verto Analytics	Verto Data Feed	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, email search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertoanalytics.com)

Macro-Economic/Europe

Company Name	Product Name	Product Description
CESSDA	Training	CESSDA has a Training Working Group that is responsible for supporting continuous learning and training of its Service Provider staff and the social science user community. The Training Group maintains the information on this training website.
CESSDA	Data Catalogue & Guide	CESSDA provides large-scale, integrated and sustainable data services to the social sciences. It brings together social science data archives across Europe, with the aim of promoting the results of social science research and supporting national and international research and cooperation.
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)

Macro-Economic/Japan

Company Name	Product Name	Product Description
Factual	Observation Graph	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
Nowcast	JCB Consumption NOW	Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan. (Contact: tsujinaka@nowcast.co.jp)
Nowcast	Nikkei POS	Nikkei POS data is one of the biggest POS data in Japan which consists of 1500 stores of large supermarkets/GMSs including Aeon(8267). The data has a long history from 2000, which is rare in the world. Compared with other alternative data, Nikkei POS data has some successful cases. Nikkei CPI Now, which is based on Nikkei POS, is the first daily price index in Japan. This index is referenced by cabinet office, BOJ, and other government offices.

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Japan

Company Name	Product Name	Product Description
(Contact: tsujinaka@nowcast.co.jp)		
Nowcast	Credit card transaction level data in Japan	The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data. (Contact: tsujinaka@nowcast.co.jp)
Nowcast	TrueData	TrueData is the largest standard database in Japan that collects consumer purchase information such as drugstores, supermarkets, etc. across the country. Since it consists of purchase information of 50 million people nationwide and covers their sex and age information, it can be used not only to find out purchase trends by manufacturers, brand and products, but also "repeat purchase", "product switching", etc. (Contact: tsujinaka@nowcast.co.jp)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)

Macro-Economic/Others

Company Name	Product Name	Product Description
All datasets are stored in geographies, that is with latitude and longitude values.		
Australian Antarctic Data Centre (AADC)	Geographic Information System (GIS)	Australian Antarctic Magazine, Portfolio annual reports, Supervising Scientist annual reports, Portfolio budget statements, ANARE Reports, ANARE Research Notes and AAE Reports.
Australian Antarctic Data Centre (AADC)	Australian Antarctic Division Publications	The Satellite image catalogue holds the details about imagery and space imagery held in the Australian Antarctica Data Centre.
CEIC Data	Premium Databases	Premium databases available for Brazil, China, India, Indonesia and Russia.
Data Norfolk	Government	Data about city staff, operations and assets.
Data Norfolk	Environment	Data about litter and environmental sustainability.
Data.NSW	NSW Open Data Portal	NSW Government open datasets.
Data.NSW	API.NSW	NSW Government published APIs - Information on fuel prices, security organisations, real estate, etc.
Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)		
GB. Office for National Statistics	Business, Industry and trade	Activities of businesses and industry in the UK, including data on the production and trade of goods and services, sales by retailers, characteristics of businesses, the construction and manufacturing sectors, and international trade.
GB. Office for National Statistics	Employment and Labour Market	People in and out of work covering employment, unemployment, types of work, earnings, working patterns and workplace disputes.
GB. Office for National Statistics	People, Population and Community	People living in the UK, changes in the population, how we spend our money, and data on crime, relationships, health and religion. These statistics help us build a detailed picture of how we live.
GB. Office for National Statistics	Economy	UK economic activity covering production, distribution, consumption and trade of goods and services. Individuals, businesses, organisations and governments all affect the development of the economy.

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Others

Company Name	Product Name	Product Description
Innovate UK	Research & Statistics	Annual estimates of the number of residential and non-residential property transactions in the UK.
Innovate UK	News and communications	Innovate UK is the UK's innovation agency, accelerating economic growth. They fund, support and connect innovative businesses through a unique mix of people and programmes to accelerate sustainable economic growth.
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
Qlik	Qlik Analytics Platform	Qlik Analytics Platform covers a wide spectrum of analytics use cases from dashboards and reports to custom analytical app.
Queensland Government Data	Open Data Portal	Queensland Government open data.
Queensland Government Data	Queensland Globe	Queensland location based information on Agriculture, Construction, Natural Resources, Tourism and Transport.
Selerity	Private Context Engine	A Natural Language Processing (NLP) engine that analyzes digital communication in real-time to help sell-side professionals uncover new revenue opportunities, use less balance sheet, and comply with regulations.
Verto Analytics	Verto Data Feed	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertoanalytics.com)

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit

Consumer Credit/Global

Company Name	Product Name	Product Description
Affinity Solutions	Affinity Solutions Spend Insights	Affinity Solutions Spend Insights provides marketers with a far greater understanding of customers purchase behaviors across competitors, categories, and geographies, including where, when and through what channel those transactions take place—insights which can shape more effective marketing strategies and merchandising decisions.
Amass	Insights	With access to over 8 million datasets, Ingishts offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassisghts.com)
Creditsafe	Sage 50 App	Improve internal efficiency and minimise human error with Creditsafe's inbuilt Sage 50 App. Quickly search for UK and international businesses from within your Sage Account, enabling you to instantly create data rich customer records, update existing records or simply view and save a report on a chosen business.
Creditsafe	Creditsafe Connect	Our API allows you to easily add company profile data into your existing apps and workflows. Enhancing existing applications with data from our international company database will give you direct access to company, director, financial and credit risk data through our API.
Creditsafe	CRM Integration	With Creditsafe's pre-developed apps we allow you to create and update company records at the touch of a button. This minimises the need for manual data entry, saving you time and money. Our real-time company data integration matches your customer records to our database to confirm, amend and enhance the company information you hold.
Elevate	Conventus+	Quality charting and analysis software.
FactorTrust	Decision Edge	DecisionEdge is a powerful, flexible suite of data, analytic and decisioning solutions that enable businesses to turn insights into actionable decisions
FactorTrust	Credit Vision	Gain a more complete view of consumer behavior and credit history with trended credit data.
FactorTrust	Insurance Discovery	Our insurance coverage discovery solutions explore all possible avenues to identify hard-to-find coverage from third-party payers for a healthier bottom line.
Lenddo	Lenddo Verification	Embedding Lenddo's verification service into an online or mobile application process enables clients to quickly check the veracity of the information reported on the application.
Lenddo	Lenddo Score	Lenddo's patented score is a powerful predictor of an individual's character or 'willingness to pay'
Tala	Tala	Tala offers the world's most accessible consumer credit product, instantly underwriting and then disbursing loans to people who have never had a formal credit history, all through a smartphone app. Loans range from \$10 to \$500.
UnionPay	Online, Mobile and Cross-border B2B Payment	From membership application to online test, from merchant management to marketing material download. One-stop destination to interact with UnionPay International.
Yodlee / Envestnet	Data Analytics for Retail and Banking	Data analytics provides market research reports that leverage de-identified consumer transaction data from millions of de-identified accounts to uncover valuable insights in a variety of areas including: retail, media, credit-decisioning, fraud reduction, and more.
Yodlee / Envestnet	Financial Data API	Financial Data API makes it easy to power unprecedented apps and frictionless digital experiences with the Envestnet Yodlee Platform and gain permission-based access to over 20,000 global data sources encompassing retail, wealth, and credit
Yodlee / Envestnet	Data Platform	Financial Data Platform provides the best and most comprehensive financial data at massive scale across retail banking, credit, and wealth management. This is made possible through the strengths of our data acquisition capabilities, extensive data cleaning and enrichment expertise, and massive scale.

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit/Asia

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay. (Contact: doug@socialmarketanalytics.com)
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models (Contact: partner@zestfinance.com)

Consumer Credit/US

Company Name	Product Name	Product Description
Affinity Solutions	Affinity Solutions Buyer Graph	Affinity Solutions Buyer Graph provides marketers with far greater visibility into which individuals are likely to make a relevant purchase, as well as when the purchase may be made. The power of historical purchase activity and analytics makes predictions far more accurate and consistently correlate with actual purchase outcomes—something that no other product can effectively deliver.
Affinity Solutions	Affinity Solutions Precision Targeted Campaigns	Affinity Solutions Precision Targeted Campaigns brings a new level of marketing efficiency. Highly relevant ad campaigns target millions of card members who are likely to buy products with promotional offers. Campaigns are run via email, mobile and on Affinity Solutions Bank Network that is proven to generate the highest ROI
Affinity Solutions	Affinity Solutions Closed Loop Measurement	Closed Loop Measurement offers marketers a closed-loop, turnkey solution that tracks in-store and online purchase behavior after customers are exposed to marketing campaigns. As a result, incremental revenue metrics can be directly attributed to explicit promotional activity, giving marketers the ability to adjust marketing in-flight and across channels.
Affinity Solutions	Affinity Solutions Merchant-Funded Offers Platform	Affinity Solutions Merchant-Funded Offers Platform provides differentiated offers from national merchants that don't typically participate in merchant-funded rewards and card-linked offers programs. It delivers a strong and varied merchant-funded offers network that is continually evolving to bring more value to consumers. The use of leading-edge machine learning algorithms targets the most relevant offers to customers, which in turn drives higher offer redemptions and customer engagement.
ARM Insight	Deep Analytics	Achieve transformational transaction visibility to improve decision-making based on buyer behavior trends. Use data elements such as spending trends, age demographics, and average amounts to give you a better understanding of your cardholders.
ARM Insight	Synthetic Data	ARM Insight's patent-pending synthetic data solution, Mimic™, creates an "artificial" copy of client data for secure, anonymized, statistically relevant data monetization products.
ARM Insight	Data Driven Loyalty	Built in a post-Durbin era with lower interchange fees in mind, the ARM Engage product suite combines gamification, charitable giving, and data to configure a rewards program that accelerates cardholder buyer behavior.
ARM Insight	ARM Refinery	Refinery uses ARM Insight's proprietary ETL process, which specializes in transforming raw transaction data into new, modern big data architecture. After client data is staged in an analytics data warehouse of your choice, Refinery begins to standardize, normalize, clean, and prep the data.
Cignifi	Credit Scores	Cignifi's Behavioral Scores help discriminate between "good" and "bad" customers who have little or no traditional credit history.
Cignifi	Marketing Analytics Solution	It uses proprietary behavioral data models to help mobile network operators and their marketing partners improve marketing campaign success.
Elevate	Segment optimized analytics	We offer a risk-based pricing model utilizing technology and risk analytics focused on the non-prime credit industry.
Experian	Fraud Management - Cross Core	CrossCore is the first smart, open, plug-and-play platform for fraud and identity services.
Experian	Data Breach resolution	Data Breach Resolution upholds the highest standards of regulation and compliance to bring you premium data

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit/US

Company Name	Product Name	Product Description
		breach resolution.
Experian	Global Consulting Practice	Experian's Global Consulting Practice is a credentialed consultancy dedicated to creating measurable and sustainable value for organizations.
Experian	Experian Marketing Services	Our consumer data, cross-channel media partnerships, and marketing campaign measurement capabilities make Experian the connective marketing tissue for thousands of brands.
Experian Micro Electronics	AltData	Helping lenders use real time non-financial payment data such as mobile wallet, digital transactions and energy utility payments.
Experian Micro Electronics	Micro and SME Origination	Micro and SME Origination integrates robust application processing, data connectivity, decisioning technology and predictive analytics to create a complete proposition for Micro and SME lending.
Experian Micro Electronics	Retail Origination	Our Retail Origination solution allows lenders to remain in control of the entire credit application process, accurately assess credit risk, and balance accurate decision-making with operational efficiency.
FICO	FICO® Decision Management Suite	The FICO® Decision Management Suite 2.0 provides an easy way for customers to evaluate, customize, deploy and scale state-of-the-art analytics and decision management solutions. It allows customers to quickly integrate FICO and FICO partner decision management tools and components with their own components, helping organizations of all sizes realize the promise of advanced analytics and decision management via cost effective, scalable cloud and on-premises solutions.
FICO	FICO® Score	The FICO® Score helps lenders make accurate, reliable and fast credit risk decisions across the customer lifecycle. The credit risk score rank-orders consumers by how likely they are to pay their credit obligations as agreed. The most widely used broad-based risk score; the FICO® Score plays a critical role in billions of decisions each year. The latest US version, FICO® Score 9 is the most current and predictive FICO® Score.
Info Free	Consumer Databases/Lists	Search more than 240 million consumers by any geographical criteria, household income, home value, length of residence, home ownership, age, gender, marital status, birth month, birth year, and presence of telephone records. Access consumer addresses and phone numbers for direct mail or telemarketing.
Info Free	Business Databases/Lists	Search our entire database of over 14 million U.S. businesses by any geographical criteria, type of business, SIC code, employee size, annual sales volume, or credit rating. Access a wealth of information about the businesses, including the telephone number and website address (where available).
Info Free	Weekly HOT Sales Lead Databases/Lists	Since 60% of purchases are made in the first 6 months, so selling to new businesses can be a goldmine. These databases are updated on a weekly basis so users can be the first to reach these ready-to-buy demographics. You can search by geographic area and time frame of event.
Infogroup	Votereach	A multichannel solution for reaching registered voters wherever they are. With records that include party affiliation and targeting on adept geographical levels, you can find the right people with the right mindset and make your voice heard.
Infogroup	Credit net	Get business credit report data and UCC lists for your credit decisioning and risk management needs. Our simple, transparent reports include credit score, analysis, and credit limit recommendations.
Infogroup	Managed Data	We deliver top-performing lists and media files for mailers, marketers, and brokers looking for precisely targeted audiences poised to convert. We keep a comprehensive portfolio of B2B, B2C, and nonprofit response lists and compiled databases that come from some of the most prominent consumer and business brands in the world. Our managed data files penetrate nearly every marketing segment and industry vertical. We offer the best in multichannel data to power any direct mail, email, telemarketing, or cross-channel campaign.
Infogroup	Marketing Genetics	We source transactional and actual buying history from more than 2,000 direct-to-consumer companies for incredibly accurate insights. You gain access to in-depth product purchase detail right down to recency, frequency, and dollars spent as well as your customer's lifestyle, affluence level, interests, and more to help you deliver more pointed, effective messaging.
Kabbage	Kabbage Platform	Kabbage's comprehensive lending platform can be configured for your organization, allowing you to use the power of data to rapidly underwrite and monitor millions of customers.
Next Caller	VeriCall	It offers a caller identification platform that helps businesses and consumers identify unknown callers and detect fraudulent calls. It uses a proprietary algorithm VeriCall that analyzes carrier-level metadata; and

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit/US

Company Name	Product Name	Product Description
		provides real-time RESTful API for users to custom integrate with their current CTI application. Next Caller also allows users to clean and append existing database and enables users to validate and prioritize their leads.
Second Measure	Second Measure	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
VantageScore	VantageScore 4.0	VantageScore 4.0, the fourth-generation tri-bureau credit scoring model, to incorporate trended credit data newly available from all three national credit reporting companies
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models (Contact: partner@zestfinance.com)

Consumer Credit/Europe

Company Name	Product Name	Product Description
Elevate	Segment optimized analytics	We offer a risk-based pricing model utilizing technology and risk analytics focused on the non-prime credit industry.
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models. (Contact: partner@zestfinance.com)

Consumer Credit/Japan

Company Name	Product Name	Product Description
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay. (Contact: doug@socialmarketanalytics.com)

Consumer Credit/Others

Company Name	Product Name	Product Description
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models. (Contact: partner@zestfinance.com)

Alternative Data Directory – Products by Asset Class and Region

SME Credit

SME Credit/Global

Company Name	Product Name	Product Description
Advan Research Corporation, LLC	Foot traffic data and Weather data	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies (Contact: info@advan.us)
Amass	Insights	With access to over 8 million datasets, Ingishts offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
OpenCorporates	Legal Entity Bulk Data	OpenCorporates is the largest open database of companies in the world with 170M companies from 130 jurisdictions. We collect, collate and standardise data only from official sources, we do not use third data providers to access this data. The data is provenanced, providing direct line of sight to the official source. Users can access our data via the website, API or in bulk deliveries. The bulk data is generally sold by region e.g. Global or North America and comes with two different license types (internal or external) depending on how the data is going to be used. We deliver the bulk data as a flat file via an SFTP account on a monthly or quarterly basis. (Contact: sales@opencorporates.com)
RavenPack	RavenPack Analytics	Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis (Contact: gdallennes@ravenpack.com)

SME Credit/Asia

Company Name	Product Name	Product Description
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models. (Contact: partner@zestfinance.com)

SME Credit/US

Company Name	Product Name	Product Description
BizQualify LLC	BQ ESG	Assesses the degree of governance a company provides to their employees through their contributions, timeliness of payments, welfare and retirement benefits offered (Contact: info@bizqualify.com)
BizQualify LLC	BQ Credit	Assesses the financial health or public or private company using verifiable filings submitted to the IRS and Department of Labor (Contact: info@bizqualify.com)
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
Kabbage	Kabbage Platform	Kabbage's comprehensive lending platform can be configured for your organization, allowing you to use the power of data to rapidly underwrite and monitor millions of customers.
VantageScore	VantageScore 4.0	VantageScore 4.0, the fourth-generation tri-bureau credit scoring model, to incorporate trended credit data newly available from all three national credit reporting companies
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models (Contact: partner@zestfinance.com)

Alternative Data Directory – Products by Asset Class and Region

SME Credit/Europe

Company Name	Product Name	Product Description
Gyana	SaaS Platform	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI. (Contact: seyna.habis@gyana.co.uk)
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models. (Contact: partner@zestfinance.com)

SME Credit/Others

Company Name	Product Name	Product Description
Innovate UK	Research & Statistics	Annual estimates of the number of residential and non-residential property transactions in the UK.
Innovate UK	News and communications	Innovate UK is the UK's innovation agency, accelerating economic growth. They fund, support and connect innovative businesses through a unique mix of people and programmes to accelerate sustainable economic growth.
ZestFinance	ZAML (Zest Automated Machine Learning)	ZAML provides AI-enabled tools to build high-powered, transparent ML models. (Contact: partner@zestfinance.com)

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
Acuris	Equities	Track equity markets as events happen and make sense of the fast-moving regulatory landscape.
Acuris	Fixed Income	Trusted data, news and analysis on the global credit markets.
Acuris	Infrastructure	Real time financing and trading news and data for global infrastructure..
Acuris	Transactions	M&A, private equity and venture capital transactions.
Ageagle	FarmLens	Used as a PC-based system or on any mobile device, FarmLens is one of the industry's leading drone-enabled agricultural intelligence solutions that identifies areas of concern in crop fields and rapidly returns reliable health maps, tailored for agricultural applications. Whether using one of AgEagle's proprietary fixed wing drones or another type of drone, FarmLens can stitch and process images from nearly any drone equipped with a near infrared sensor.
Agricultural Research Federation (AgReFed)	Data Discovery	Two key facilitators for CeRDI research discoveries in data centre on: 1) maximising the exploration and analysis by CERDI discipline experts of available research-ready data sets; and, 2) expanding, through the mechanism of crowdsourcing and citizen science, the scope of new data included within each spatial knowledge initiative.
Airports Council International	Statistics Packages	ACI offers an array of statistical services to customize any data set based on client needs and preferences.
Airports Council International	Traffic Data	ACI's Annual Traffic Data provides a comprehensive overview of passenger, cargo and traffic movements for the most recent year.
Amass	Insights	With access to over 8 million datasets, Insights offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
Ambiental	Environmental Assessments for Planning	As environmental specialists, we can offer a variety of environmental surveys and assessments for our clients. These environmental assessments can be used to obtain planning permission where environmental concerns have been cited, reduce the costs associated with rejected planning applications, and gain environmental credits towards BREEAM certification.
Ambiental	Flood risk assessments (FRAs)	By gaining insight into the flood risk to your site you can make better decisions to prevent or minimise the damage that flooding can cause. Our expertise in flood risk assessments help hundreds of clients do that each year, from individual property owners across the UK to international developers.
Ambiental	Sustainable Drainage Strategies (SuDS)	Local Planning Authorities and the national environmental agencies are increasingly asking developers to show how they'll manage surface water for their development in the form of a surface water drainage strategy systems or a sustainable drainage strategies (SuDS).
ARC	Airline BI	ARC's Airline Business Intelligence (BI) tool provides airlines with detailed U.S. travel agency point-of-sale data to quickly measure sales performance, understand market share and identify market potential.
ARC	ARC DataXpert Market Intelligence	ARC's DataXpert Market Intelligence (ADXMI) tool provides airlines with insight into U.S. travel agency point of sale activity, with segment-level analysis of passenger itineraries.
ARC	Direct Data Solutions	Direct Data Solutions provide airlines with access to the industry's most comprehensive database of global airline sales, market and passenger itinerary data, at the segment, O&D or ticket level.
aWhere	In-Time Weather Data	aWhere combines the granularity of a weather station with the spatial coverage of a satellite. Advanced indices inform key field operations and signal when different crops are under drought stress. Look back in time to see how weather variability has impacted crop production, serving as a strong base for weather-indexed financial instruments to manage risk
aWhere	Maps4ER	Maps for Economic Resilience (MAPS4ER) will provide your team with daily global weather content that will enable powerful visual analytics over time and space on how our weather has changed to guide investments, infrastructure, food-systems, and policy decisions to enable a coordinated response to deliver Economic Resilience to Climate Change (ERCC).
aWhere	Weather Insights	Insight products draw on years of practical expertise in agrometeorology, agronomy, crop improvement,

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Company Name	Product Name	Product Description
		markets and policies to empower our clients to make timely, quantitative and relevant decisions to enhance production, quality, and reduce risks by making climate-smart decisions along the entire agriculture value chain
Black Box (TDn2k)	BlackBox intelligence	Black Box Intelligence is the only source of private and public company data currently serving the restaurant industry with metrics covering revenue, expense and consumer data. We provide weekly interactive reports with drill-down capability with industry benchmarks based on the latest operational results.
Black Box (TDn2k)	White Box	Uniquely designed for the restaurant industry by TDn2K, we bridge the gap between marketing and operations by comparing social media data to operational performance metrics. Find out what your customers are saying about you and your largest competitors with the ability to integrate with Black Box Intelligence data for competitive benchmarking.
Borrell	Addressable Digital Revenue Estimates	The meteoric rise of digital advertising over the past five years has forged a new reality for local media companies. Instead of competing, most are now embracing it, driving more than \$10 billion in ad sales in 2018. Our comprehensive report includes data that helps companies quantify how well (or poorly) they're doing compared with peers.
Borrell	Real Estate Advertising Report	This is our annual outlook for one of the largest advertising segments, the \$30 billion real estate industry. After mild growth of about 4% in 2018, we're forecasting a more tepid 2019 with growth under 1%. The housing market has changed considerably since the Great Recession, and so has the way advertisers spend their money.
Bridg	Bridg CRM	Organize, analyze & segment your data, all in one place.
Bridg	Bridg Email	Trigger email journeys based on customer activity.
Bridg	Campaign Audiences	Target actual patrons based on social media, digital ads and omni channel.
Bridg	Insight Analytics	Understand every guest and who is new, active or lapsed.
Bridg	Mobile & Loyalty	Offer mobile based loyalty clubs, ordering, payment, gift cards & satisfaction surveys.
CargoMetrics	Cargometrics	Geospatial data with correlation to trusted but lagged data sources to improve accuracy.
CargoMetrics	Global Cargo System	Analytics on a fleet of over 100,000 vessels transporting \$9 trillion of cargo annually among more than 150 coastal countries.
CargoMetrics	TruFreight	Real time data driven Freight Pricing.
Chain Store Guide Information Services	Location Data	Chain Store Guide has supplied its customers with the highest level of quality that cannot be duplicated by any other provider. Our accuracy for Retail & Foodservice Locational Data is driven by our unique LocusTM sync & multi-step update process that blends spatial geocoding and cutting edge technology with a personal touch
Chain Store Guide Information Services	Market Share Leads Reports	CSG offers standard & custom market share analyses crafted from our high quality locations data. You can purchase and download one of our annually updated industry reports right from the website or have CSG build a custom analysis that fits your specific needs. Also, many companies take advantage of our expertise and integrate our custom proximity reporting into their business strategies.
Chain Store Guide Information Services	NewsRoom	Chain Store Guide has supplied its customers with the highest level of news.
Chain Store Guide Information Services	OnDemand Custom Data	Create custom personnel lists from our extensive market research database. CSG gives you the ability to cross industries and splice in multiple data points. Built to order, you get exactly what you need with our custom lists. With our unique IDs, we make it even easier for you to append.
Chain Store Guide Information Services	Retail & Foodservice Online Sales Leads & Market Data	Grow your sales pipeline by discovering new prospects using our online leads portals to target businesses that look like your best clients. Use our restaurant & retail chain sales leads databases PLUS to find full contact information for buyers and decision makers.
Chain Store Guide Information Services	Targeted Sales Leads	Grow your sales pipeline by discovering new prospects using our online leads portals to target businesses that look like your best clients.
ChemOrbis	Market Snapshot	Handy and compact table showing feedstock and monomer prices of all polymers for a market .

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Company Name	Product Name	Product Description
ChemOrbis	Price Wizard	Graph any combination of polymer prices across regions of the world, across polymers and even by local and import markets.
ChemOrbis	Product Snapshot	Handy and compact table showing feedstock and monomer prices of all markets for a product.
ChemOrbis	Stat Wizard	Graph any combination of polymer imports/exports across countries, across polymers by quantity, value and unit price.
ClipperData	China Crude Weekly	This report covers the flow of crude imports into China using "hard data" from exclusive sources.
ClipperData	Fuel Oil and Feedstock Trader	The FOFT report integrates the world's best real-time fuel oil cargo data with the world's most in-depth fuel oil news reporting, offering comprehensive view of industry trends and developments in global fuel and feedstocks.
ClipperData	GeopoliticOil	A weekly analysis of politics, policy & trends impacting the global energy market.
ClipperData	Global LPG Report	This report delivers a commentary based on trends in global movements of propane, ethane and butane shipments.
ClipperData	Global Middle Distillates	A weekly review of global crude oil flows, emerging trends, unusual port congestion, and forward-looking analysis.
ClipperData	US Gasoline Report	This report dives into the latest trends in gasoline imports on a granular basis – by source, grade, and destination.
Comscore Inc.	Analytics-and-Optimization	Comscore helps marketers and media companies spend smarter so they can connect with their most relevant consumers, quantify the resulting behaviors, and understand the performance of specific investments against unique branding objectives.
Comscore Inc.	Movies-Reporting-and-Analytics	With vast, reliable insights into box office performance and innovative analytics solutions to help maximize audiences around the world, we're committed to delivering solutions designed to propel the entire film industry forward.
Comscore Inc.	Ratings-and-Planning	As TV content extends across platforms and digital media consumption continues to grow, media buyers and sellers rely on Comscore to plan, transact, and evaluate media with confidence.
CreditRiskMonitor	FRISK Score	A score formulated to assess bankruptcy risk in public companies within a 12-month window.
CreditRiskMonitor	FRISK Stress Index	The FRISK Stress Index compares the probability of failure of groups of companies (such as an industry, a country or your own portfolio) from 2007 to today.
CreditRiskMonitor	Fundamental Service	Predictive risk scores, bond ratings, news alerts, financial statements, robust analytics - FRISK score, PAYCE score, Credit ratings, Financial ratios and trends.
CreditRiskMonitor	PAYCE Score	The PAYCE score provides a highly accurate measure of financial stress when no financial statements are available for private companies. It utilizes payment and U.S. federal tax lien data from CreditRiskMonitor's extensive database, analyzed with sophisticated deep neural network modeling technology.
CropProphet	Enterprise Modeler Subscription	Includes all of the functionality above plus digital access to 5 years of point-in-time CropProphet forecasts, a 10 year history of daily forecasts from a forward looking modeling framework, and a 33 year history of daily forecasts from a cross validated modeling framework.
CropProphet	Enterprise Subscription	Includes website access to all CropProphet forecasts, including an analysis of both the 15-day and 30-day weather outlooks from the NWS and ECWMF models. This subscription also adds unlimited digital data access for the current crop season.
CropProphet	Premier Subscription	Includes website access to CropProphet production and yield forecasts for the national, state and county levels - updated daily throughout the growing season.
Cuebiq	Audience Targeting	Target consumers based on offline behaviors, dwell time, brand loyalty, visit frequency and more.
Cuebiq	Footfall Attribution	The industry's number #1 media-agnostic measurement solution, providing brands with third-party verification of advertising effectiveness.

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Company Name	Product Name	Product Description
Cuebiq	Location Analytics	Support your business strategies and marketing activations with real-world location analytics and actionable consumer insights.
Datalogix	AI-Driven Analytics	Oracle Analytics empowers customers with industry-leading, AI-powered, self-service analytics capabilities for data preparation, visualization, enterprise reporting, augmented analysis, and natural language processing.
Datalogix	Application Integration	Oracle Integration accelerates your modernization and digital transformation project delivery by eliminating barriers between business applications through a combination of machine learning for best practice guidance, a library of prebuilt adapters, and process automation examples.
Datalogix	Autonomous database	Oracle Autonomous Database is available exclusively through Oracle and is offered in two versions optimized to meet the specialized requirements for online transaction processing and data warehousing.
Datalogix	Blockchain	Oracle offers an easier way to adopt blockchain and transform your enterprise with the industry's most comprehensive and enterprise grade blockchain platform.
Datalogix	Engineered Sysytem	Oracle engineered systems take infrastructure optimization to the next level. They're architected, integrated, tested, and optimized to work together.
Datamed	Figshare	Figshare is a repository where users can make all of their research outputs available in a citable, shareable and discoverable manner.
Datamed	RCSB Protein Data Bank	The Protein Data Bank (PDB) archive is the single worldwide repository of information about the 3D structures of large biological molecules, including proteins and nucleic acids found in all organisms including bacteria, yeast, plants, flies, other animals, and humans.
Datamed	The Cambridge Crystallographic Data Centre	The Cambridge Crystallographic Data Centre (CCDC) is the home of small molecule crystallography data and is a leader in software for pharmaceutical discovery, materials development, research and education.
Datamed	UniProt:Swiss-Prot	UniProtKB/Swiss-Prot is a manually annotated, non-redundant protein sequence database. It combines information extracted from scientific literature and biocurator-evaluated computational analysis.
Descartes Labs	Descartes Lab Platform	Custom solutions that deliver financial and operational advantages through use of our general-purpose machine-learning platform.
Digital Globe	Advanced Elevation Suite	DigitalGlobe's Advanced Elevation Suite provides the highest quality digital elevation models (DEMs), available off-the-shelf or custom-built. With global coverage and options for accuracy and resolution, our models are GIS-ready, so you can focus on analysis, not processing.
Digital Globe	Imagery mosaics	When you rely on geospatial data to inform decisions about your community and your customer base, your output is only as good as the input. Mosaics provide the best foundation for building accurate, aesthetically pleasing, actionable satellite imagery maps.
Digital Globe	Satellite imagery	Satellite imagery provides foundational context and visualization of on-ground conditions, empowering organizations to make critical, time-sensitive decisions. Emerging remote sensing technologies continue to broaden the capabilities of imaging satellites, providing more types of data at a global scale.
Digital Globe	Short-wave infrared imagery	DigitalGlobe goes deeper into the infrared spectrum than any other very high-resolution commercial imagery provider to help remote sensing experts unlock critical information through advanced analytic capabilities. Data-rich short-wave infrared (SWIR) imagery is ideal for categorizing man-made and natural material, penetrating smoke, detecting fire, mapping minerals, and more.
Doane Advisory Service	AG Insight	Timely weekly analysis of two or three developing forces that are impacting the major crop and livestock outlooks for acreages and crop.
Doane Advisory Service	Commodity Digest	Concise weekly economic analysis and purchasing guidance for corn, wheat and soybeans.
Doane Advisory Service	International Agriculture Outlook Report	Ten-year forecasts for coarse grains, corn, soybeans, wheat, cotton and rice.
Dodge	Apps and Integrations	Get Dodge construction project data when and where you want. Feed your business the best construction data and watch your business grow.

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Company Name	Product Name	Product Description
Dodge	Bid Management	Find, bid, and win the most profitable projects – thanks to our industry-leading bid management software. Streamline and gain visibility into distributor bidding activity with closed-loop construction bid software.
Dodge	Construction Project Leads	Put the industry's most trusted source of construction leads to work for you. Identify the right projects for your products. Network with key players. Close more deals.
Dodge	Dodge Construction Central	The market intelligence and collaboration hub where the best construction businesses are built. Team of research, economics and analysis experts join forces with artificial intelligence (AI) to deliver insights.
Dodge	Market Forecast and Industry Trends	Dodge MarketShare gives you the forecasting power you need to develop smart strategic plans. With MarketShare's comprehensive historical data and five-year construction forecast reports, you will gain valuable insight in market performance – at the national, state, and local level.
Dun & Bradstreet (PAYDEX)	PAYDEX Score	The PAYDEX Score is a dollar-weighted indicator intended to reflect a business's past payment performance
Enigma	Company Data	Reliable data on 30 million U.S. SMBs increases marketing ROI and accelerates customer onboarding.
Enigma	People Data	Profiles of customers and consumer populations reduce compliance risk and drive go-to-market strategies.
Enigma	Places Data	Location-based insights surface risks and opportunities related to companies, customers and their networks.
Equity Data Science	EDS Analytics Platform	An advanced analytics platform for fundamental investors (quantamental), which supports decision-making for stock selection, portfolio analytics, and risk management. Originally built inside of leading funds, EDS aggregates intelligence & solves challenges, such as improved idea targeting, alt data analysis, crowding analytics, position sizing, factor tilts, trade timing, etc. EDS can be your data scientist or be the solution to intelligently add insights to your investment process. (Contact: greg@equitydatasience.com)
Eurekahedge	Global Islamic Fund Database	The Eurekahedge Global Islamic Fund Database is a global database of 916 live and obsolete Shariah compliant funds that provide their investors (usually Muslims) exposure to financial markets inside a framework that is deemed ethical under the principles of Islamic jurisprudence.
Eurekahedge	Hedge Fund Databases	The Eurekahedge Hedge Fund Databases has 25,115 hedge funds globally. For ease of viewing and comparison, our databases are specifically categorised among five regions – North America, South America, Asia Pacific, Europe and the Middle East and Africa – to provide a region focused structured hedge fund list for investors.
Eurekahedge	Private Equity Fund Database	Eureka Private Equity provides access to information on 8,422 companies and private equity funds, investors, private equity firms and service providers across the private markets spectrum.
Eurekahedge	Risk Shell	Risk Shell is a cloud-based risk management and portfolio construction software for hedge funds and multi-asset investment portfolios, designed by ABC Quant and powered by Eurekahedge.
Euromonitor International	Euromonitor	Our research consulting team works to answer your commercial questions with data and insights generated by our research experts, industry knowledge and a network of 1,200 on-the-ground analysts in 100 developed, emerging and frontier markets.
Euromonitor International	Passport	Passport provides data and insight on industries, economies and consumers worldwide, helping our clients analyse market context and identify future trends.
Everest Group	Domain Expertise	Our functional and industry knowledge is combined with deep domain expertise in pricing, locations, Global In-house Centers, and service delivery technologies.
Everest Group	Industry expertise	Assists clients on topics related to various business processes, delivery optimization, go-to-market strategy and future investments across Banking, Financial Services, Healthcare, and Life Sciences.
Everest Group	Market Insights	Our Market Insights reveal actionable intelligence from across the full spectrum of our research in concise, easily accessible infographics.
Everest Group	Peak Matrix	Everest Group's PEAK Matrix™ assessments provide the analysis and insights enterprises need to make critical selection decisions about global services providers, locations, and products & solutions within various market segments. Likewise, providers of these services, products, and solutions, look to the PEAK Matrix to

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Company Name	Product Name	Product Description
gauge and calibrate their offerings against others in the industry or market.		
Everest Group	Pinnacle Model	Our Pinnacle Model research identifies and details what the best, or Pinnacle, enterprises are doing to achieve outstanding outcomes.
First Data Merchant Services Corporation	Analytics and Reporting Solutions	Data analytics provide customer and marketplace insights for an in-depth understanding of your customers.
First Data Merchant Services Corporation	Clover Insights	Clover Insights is sales analysis for small business. It harnesses your business' transaction data to help uncover exciting new opportunities so you can better focus your activities and grow.
First Data Merchant Services Corporation	Information, Analytics and Reporting	First Data Information, Analytics and Reporting solutions help you distill payment information into unique insights that empower better business decisions.
Genscape	Customer Pricing Model	Sophisticated pricing tool for retail energy products with guidance from industry experts.
Genscape	Energy Management Dashboard	A comprehensive single platform for viewing wholesale market data, Energy Supply Company (ESCO) customer data, and generator performance data.
Genscape	Equity Midstream Insight	Midstream company valuations are heavily on a collection of spot or market volumes above fee based take-or-pay volumes. We use proprietary sensors to provide daily throughput estimates for 21 midstream companies
Genscape	Global Oil Supply Report	Global Oil Supply Report delivers country level production history and bottom up forecasts broken out by liquid type.
Genscape	High-Frequency Oil Production Monitor	The High-Frequency Oil Production Monitor is the leading source for daily oil production data for impactful oil-producing countries across the globe. This is the only solution that goes beyond providing a simple on/off signal at the field/country level. We transform on/off signals into highly accurate estimates of daily production volumes for each country we monitor, providing you the actionable intelligence you need.
Genscape	Natural Gas Infrastructure Intelligence	Timely and comprehensive data for natural gas pipeline, gathering and processing plant projects in North America.
Genscape	PowerRT Europe	Our PowerRT platform supports trading desks and analytical departments in developing and improving trading strategies, analysing production, viewing fuel stacks, and optimising asset utilisation.
Genscape	Refinery Stream Monitor	Traditionally, refinery crude consumption data has only been available on a lagged weekly basis and downstream unit input data on a three-month delay from the U.S. Energy Information Administration (EIA). Our Refinery Stream Monitor now provides this data on a weekly basis by combining raw signal intelligence from remote sensors at refineries with our own algorithmic modelling of the U.S. refinery system on a PADD and total-U.S. level.
Geotab	Location Analytics	From looking at which fuel stations service gas vehicles, diesel, and EV charging to locations to park heavy duty trucks and their busy times, this set of data provides insight into places of interest beyond simply their location.
Geotab	Urban Infrastructure	From looking at hazardous driving areas and areas where drivers are searching for parking to rating road impediments, this set of data provides insights which go far beyond GPS location.
Geotab	Weather Datasets	Geotab's weather data gives you the power to look at temperature data at a hyper-local level. You can look at specific areas of your city for temperature conditions which could cause road icing and much more.
Gro Intelligence	Gro	Easily navigate our vast range of data, updated with the latest information, build dynamic visual displays and perform analysis
Gro Intelligence	Gro API	Access tens of millions of data series which can be used alone or in combination with your proprietary data to build or improve your own models
Health Forum (AHA)	AHA Data for Hospitals	Data from the AHA Annual Survey.
Health Forum (AHA)	Business Intelligence for B2B	Quarterly Healthcare financial data is provided by AHA.
humanpredictions	humanpredictions	We gather public data and use machine learning to predict when people are more likely to be open to new job opportunities, when people are more likely to respond to an email, when people are more likely to relocate, and

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Company Name	Product Name	Product Description
		other key indicators that help improve how and when you connect with someone.
ICI	Factbook	Review of trends and activities in the investment company industry.
ICI	Money Market Fund Portfolio Data	Prime and government money market fund holdings.
ICI	Weekly Estimated Flow Reports	Estimated flows from long-term mutual funds and exchange-traded funds.
Indigoag	Indigo Atlas Insights	The flagship platform of Indigo's Geolnnovation team, Indigo Atlas delivers a living map of the world's food system. Atlas Insights derives unparalleled, nuanced detail from this platform. Capable of characterizing localized soil conditions, drawing field boundaries to meter-level accuracy, and discerning subtle differences in crop health across a region, Atlas's proprietary algorithms generate a range of high-resolution, real-time, and actionable outputs. Atlas information enables growers to make more informed planting, harvest, and marketing decisions. It also grants buyers and consumers a greater degree of control and choice over their supply chain.
Informa Financial Intelligence	Banking	Client Engagement Research, Delivery Channel Research, Financial Institution Product and Pricing Data, Peer Benchmarking, Targeted Advertising.
Informa Financial Intelligence	Investment and Asset Management	Asset allocation, planning and analysis, Equity market liquidity research, Fund flow and allocations data and insights, FX and rates insights, Investment manager analysis and reporting, Money market fund insights, Primary bond market insights, Private placement data and analysis, Strategic marketing solutions
Informa Financial Intelligence	Wealth Management	Asset allocation, planning and analysis, Custom investment proposal creation, Factsheet production, GIPS investment composite management, Investment and wealth performance reporting, Investment manager research, Investment policy statement compliance, Separately managed accounts data
Innovata	Data	Airline flights database containing worldwide passenger and cargo schedules. This includes Flight Schedules, Minimum Connect Time, IATA Codes, Aircraft seat data, etc.
Innovata	Data Analysis	Flightmap analytics, Seat analytics, Schedule analytics.
Innovata	Mapping	Flight and Airline Route Mapping.
Innovate UK	News and communications	Innovate UK is the UK's innovation agency, accelerating economic growth. They fund, support and connect innovative businesses through a unique mix of people and programmes to accelerate sustainable economic growth.
Innovate UK	Research & Statistics	Annual estimates of the number of residential and non-residential property transactions in the UK.
Inside Mortgage Finance Publication	ABS Activity	Non-Mortgage ABS Issuance by Asset Type, Non-Mortgage ABS Production by Collateral Type, Non-Mortgage ABS Issuers and Underwriters by Deal Type, Bank/Thrift ABS Holdings, Non-Mortgage ABS Ratings by Company etc.
Inside Mortgage Finance Publication	Mortgage Insurance	Mortgage Insurance Trends, Primary Mortgage Insurance Activity, Primary Mortgage Insurance by State, Private MI Earnings etc.
Inside Mortgage Finance Publication	Mortgage Originations	Mortgage Origination Activity, Top Mortgage Originators, Top Home-Equity Originators, Government-Insured Lending.
Intermodal Association of North America (IANA)	NORTH AMERICAN INTERMODAL NETWORK	IANA maintains these easy-to-use interactive tools to illustrate the scope and breadth of the North American intermodal system.
Intermodal Association of North America (IANA)	Volume Analyser	The only tool of its kind with the ability to filter the data by equipment type, size and ownership. With a few clicks, you can select the data that is relevant to your particular needs.
International Data Corporation Inc.	Insights Industry Research	Assisting business and IT leaders, as well as the suppliers who serve them, in making technology decisions by providing timely and insightful fact-based research and consulting services. Staffed by senior analysts with decades of industry experience, our global research team advises on business and technology issues facing today's IT leaders.
International Data	Investment Research	IDC's Investment Research offerings provide an independent, targeted, and customized research program

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Company Name	Product Name	Product Description
Corporation Inc.		designed to support the generation of investment ideas, facilitate effective investment decisions, and evaluate technology companies.
International Data Corporation Inc.	Spending guides	IDC's Customer Insights & Analysis team has taken data to the next level by layering in industry-specific advice. Its research-driven insights are now the cornerstone of successful and tactical planning initiatives.
International Data Corporation Inc.	Subscription Services	IDC's extensive portfolio of subscription services enables clients to keep abreast of the latest market trends and empowers them to make the most well-informed decisions for their organization.
International Data Corporation Inc.	Trackers	IDC's Trackers provide accurate and timely market size, vendor share and forecasts for hundreds of technology markets around the globe. With the largest global analyst team in the industry, IDC delivers Tracker data on over 100 countries, offering unparalleled coverage.
Internet Truckstop	Oversize loads	Based on data from over 300,000 oversize, over-dimensional, and out-of-gauge loads, Truckstop.com's Oversize Rates tool calculates the costs of properly permitting and escorting your over-dimensional loads.
Internet Truckstop	Rate analysis	Rate platform for medium to large fleet owners, brokers & shippers.
Internet Truckstop	Rate Forecasting	Get week-by-week trusted trends from the industry's largest data network. Search over 160,000 active lanes to see how each is trending in the coming weeks—up to a year in advance—with groundbreaking lane-by-lane rate forecast from Truckstop.com and FTR.
Internet Truckstop	Rate Mate	Rate Mate is an industry-leading spot market rate engine that determines the average freight rate for a specific traffic lane, and helps Carriers and Brokers benchmark rates against the industry to help negotiate trucks and loads.
Internet Truckstop	Trans4Cast	Trans4Cast is powered by Truckstop.com (the Web's leading freight matching marketplace) and FTR (the only company with a complete freight data set for all modes of transportation). Together, Truckstop.com and FTR have partnered to break down big transportation data into an authoritative yet easy-to-read report.
IQVIA	Commercial Data Warehouse	Available data sources include Healthcare Professionals, Organizations and Affiliations, Marketing Channel Performance Data and Metrics, Non-identified Patient Data, Sales and Prescription Data
IQVIA	Master Data Management	Gain a comprehensive view of all data, with a golden record of customers, organizational relationships and products within one centralized, scalable and readily maintained system to derive deeper insights across business divisions.
IQVIA	Research and Development	IQVIA integrates data science with human science to address the growing complexities and long-standing challenges of clinical research
iResearch	EcTracker	iEcTracker is iResearch's proprietary ecommerce tracking database covering over 100 categories across all of the major B2C platforms. The information can be used by investors, brands and retailers to assess sales performance vs competition, improve marketing effectiveness and operation efficiency.
iResearch	iUserTracker	iUserTracker is a database measuring Chinese PC Internet users' online behaviors by tracking more than 400,000 panelists. It presents the real status and trend of most mainstream websites and client software in China
iResearch	iVideoTracker	Developed by iResearch and based on real time measurement, iVideoTracker is a database that records online video audience's browsing behavior since 2011. It allows users to understand the performance of different video categories, video viewing conditions and audience demographic distribution of major online video players in China
iResearch	mUserTracker	With over 1,000,000 panelists, mUserTracker is the only available database that measures Chinese mobile Internet user behaviors. It presents the real picture and trend of mainstream apps and mobile websites in China.
ISSB Ltd	Tailored Reports	Reports can include any combination of countries, products and time frames and can produce data based on volumes and values.
ISSB Ltd	Trade Enquiry System	It offers instant access to our online database of steel trade data which consists of monthly import and export data for over sixty steel producing nations.
ISSB Ltd	World Steel Statistics	It gives an overview of trade by 42 countries for 17 major product groups as well as some production data. It

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Company Name	Product Name	Product Description
	Monthly	covers steel as well as raw materials.
Jettrack.io	JetTrack	10 Years of ownership and flights, for current and acquired companies.
JWN Energy	Daily Oil Bulletin	The Daily Oil Bulletin (DOB) is the most trusted source of exclusive news, data and analysis for Canada's oil and gas industry. It also publishes comprehensive industry data sets. This data is presented through interactive dashboards, reports and maps.
JWN Energy	Evaluate Energy	Evaluate Energy's Global Oil & Gas database is designed to provide you with critical data insights into the industry. With the latest asset and corporate valuations, M&A deals, corporate financials, operating data and refinery projects at your finger tips, it is used by some of the largest companies in the industry to track opportunities, market movements and their competitors. The software is comprehensive, up to date and simple to use and provides world class data at the click of a button, ready for simple export into models, excel or corporate presentations.
JWN Energy	Rig Locator	Rig Locator provides you with the most accurate, up-to-date information on the locations and status of each rig in Western Canada's fleet. Your subscription includes access to the Rig Locator website featuring a built-in mapping tool for quick, easy searches.
LIMRA (LL Global Inc.)	Industry news2use	News, trends, and personnel moves in the financial services industry.
LIMRA (LL Global Inc.)	LIMRA Limelight	Monthly e-bulletin on life insurance and retirement markets data.
LIMRA (LL Global Inc.)	LIMRA MarketFacts	Articles on topics such as distribution, technology, marketing strategies, retirement, globalization, demographics, financial integration, and products and services.
Magna Global Research	MAGNA Intelligence	MAGNA is the centralized IPG Mediabrands resource that develops intelligence, investment and innovation strategies for agency teams and clients. We utilize our insights, forecasts and strategic relationships to provide clients with a competitive marketplace advantage. MAGNA Intelligence is the go-to source on advertising and media for Wall Street and 30+ major media companies. MAGNA ad forecasts have set the industry standard since 1950.
Manfredi & Associates	Machinery Outlook	In late 1984 Manfredi & Associates began publishing its first monthly industry-related newsletter, Machinery Outlook. The newsletter is well regarded in the industry for accurate interpretation and analysis of events in the industry, market share estimates by product line, annual product market forecasts, niche market reports, trends, developments and government actions that affect the industry.
MarineTraffic	Business Directory	The Business Directory has been created to give suppliers exposure to the huge number of maritime professionals using MarineTraffic every day.
MarineTraffic	Data Services (API)	MarineTraffic extensive datasets include Vessel Historical Track, Vessel positions etc
MarineTraffic	Historical AIS data	Historical AIS positions and port calls.
Marinexplore	Datahub	Data catalog of weather, climate and environmental data
Marinexplore	Powerboard	Cloud-based tool that combines real-time operational data, third-party datasets, and advanced analytics to deliver interactive views for an organization.
MarketPsych Data	MarketPsych Indices	We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minutely, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation. (Contact: info@marketpsychdata.com)
Nexant Inc.	Markets and Profitability	Markets and Profitability tracks over 60 feedstocks, petrochemicals, polymers and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries
Nexant Inc.	Special Reports	Our Special Reports analyze issues of topical importance to the energy and chemicals industry.
NEXRAD on AWS	NEXRAD	Next Generation Weather Radar (NEXRAD) makes conventional reflectivity observations and also uses the

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
		"Doppler effect" to measure motion of clear air and atmospheric phenomena within storms. The maximum range of NEXRAD is 230 kilometers (125 nautical miles). Although NEXRAD is land-based, there is some radar coverage offshore. The greatest offshore coverage is along the Atlantic and Gulf coasts.
Norgate Investor Services	Data Tools	Data Tools is a software package that updates end-of-day prices from futures exchanges around the world.
Norgate Investor Services	Premium Data	"Premium Data" is a software package that updates end of day prices from stock exchanges in Australia and the U.S. In the case of the Australian Securities Exchange progressive hourly snapshots are also available.
Norgate Investor Services	Premium Forex	"Premium Forex" is a software package that updates end-of-day prices from the Interbank Foreign Exchange market.
Off-Highway Research Limited	Databases	Available through Off-Highway Research's Internet Access Service, the International (North America, Europe and Japan), Chinese and Indian Database Services provide unique statistical analysis of the regions' construction equipment markets, and through a customised computer programme allows clients to manipulate data in Excel according to their needs.
Off-Highway Research Limited	Global Volume and Value Service PLUS	Off-Highway Research's Global Volume & Value Service is a powerful market-sizing tool, covering 16 products and 19 major countries, plus the rest of the world. It provides annual sales data by product, by country in both unit (volume) and US\$ (value) terms.
Off-Highway Research Limited	Research Reports	Several times a year Off-Highway Research publishes in-depth studies which cover topics outside those covered in other Subscription Services. These Special Reports are based on lengthy periods of field research and are generally regarded as being the most comprehensive and wide-ranging on the subject under review.
Omics DI	EGA	The European Genome-phenome Archive (EGA) is a service for permanent archiving and sharing of all types of personally identifiable genetic and phenotypic data resulting from biomedical research projects.
Omics DI	GNPS	GNPS is a web-based mass spectrometry ecosystem that aims to be an open-access knowledge base for community-wide organization and sharing of raw, processed or identified tandem mass (MS/MS) spectrometry data.
Omics DI	GPM	Research into proteomics data analysis, reuse & validation.
Omics DI	Metabolights	MetaboLights is a database for Metabolomics experiments and derived information.
Omics DI	PeptideAtlas	PeptideAtlas is a multi-organism, publicly accessible compendium of peptides identified in a large set of tandem mass spectrometry proteomics experiments.
OpenCorporates	Legal Entity Bulk Data	OpenCorporates is the largest open database of companies in the world with 170M companies from 130 jurisdictions. We collect, collate and standardise data only from official sources, we do not use third data providers to access this data. The data is provenanced, providing direct line of sight to the official source. Users can access our data via the website, API or in bulk deliveries. The bulk data is generally sold by region e.g. Global or North America and comes with two different license types (internal or external) depending on how the data is going to be used. We deliver the bulk data as a flat file via an SFTP account on a monthly or quarterly basis. (Contact: sales@opencorporates.com)
Optuma	Backtesting	You can create tests to test based on entry and exit signals or rebalance a portfolio on a monthly basis based on your own ranking rules.
Optuma	Enterprise Solutions	Our intersection of financial analysis and software engineering enables us to work with your teams to solve this. We can design and build a unifying solution that gets rid of the laborious tasks while removing the chances of simple errors that lead to costly mistakes. It's your data seamlessly combined with market data and presented with complete flexibility.
Optuma	Signal Tester	The Optuma Signal Tester has been designed to overcome all of that. It simply allows us to specify a signal using the easy Optuma Scripting Language. Then the signal tester finds every single instance of that signal and measures the returns over the following days.
Optuma	Trade Testing	By using the Trader Tester, you can find every single trade opportunity, even if there were 3 buy signals followed by a single sell signal.

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
P&I Research	Data	The P&I Research Center is a dynamic database of institutional investment information compiled and verified by Pensions & Investments.
P&I Research	Insights	News, research and analysis of fund flows in the institutional investment market.
Planet Labs	Basemaps	Update your products and analysis with recent and visually-precise Basemaps. Planet's frequent daily, global imaging creates the most complete and current Basemaps available, customizable by area and time of interest.
Planet Labs	Planet Analytic Feeds	Transform daily satellite imagery into intelligent analytic feeds, applying machine learning to index objects and change.
Planet Labs	Planet Explorer	Explore daily imagery directly in your browser. With search, metafilters, and a timeline axis, Planet Explorer is an easy GUI tool you can use to view imagery, prime analysis, and see the planet change over time.
Planet Labs	Planet Monitoring	With 120+ satellites in orbit, Planet is able image anywhere on Earth daily at 3 meter and 72 centimeter resolution. Monitor your areas of interest, discover patterns, and deliver timely insights.
Planet Labs	Planet Tasking	With near-infrared, and video capabilities, Planet's SkySat fleet can image any point on Earth at 72 cm resolution up to twice-daily – higher revisit than any other commercial hi res imagery provider.
Premise Data Corporation	Premise Data	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
PrimeCharts	Data Manager	This module is used for creating and managing your own data files (i.e. additional data other than what you download).
PrimeCharts	Market Master X-ec	Market Master X-ec for Windows is a full-featured technical analysis package that has grown from ground-breaking DOS software in 1986 to the state of the art program it is today.
PrimeCharts	Market Optimiser	As market trends change, the Optimiser ensures you are always using the most up to date and accurate indicates.
PrimeCharts	Market Partner	Market Partner is designed to compare the world's major stock exchanges and highlight which markets if any, you should be investing in.
QuantHouse	QuantFACTORY	QuantFACTORY suite of products offers a complete set of tools for quantitative trading strategies development and automation for financial institutions. Based on a .NET framework and utilizing Visual Studio, it allows your company to rationalize your trading strategies development cycle using an Integrated Development Environment (IDE) across the research-development-back testing-execution cycle.
QuantHouse	QuantFEED	QuantFEED is the QuantHouse unique end-to-end ultra low latency market data feed fully managed solution with a global Service Level Agreement including hardware, software, Direct Market Accesses and telecommunication components.
QuantHouse	QuantLINK	QuantLINK is the ultimate trading infrastructure, combining QuantHouse proprietary fiber optic network interconnecting the heart of the exchanges with proximity hosting at the source.
Redbook Research Inc.	Johnson Redbook Consumer Indicators	The Johnson Redbook Consumer Indicators is an in-depth analysis of the consumer / retail economy. This monthly research report focuses on consumer spending, personal income, and other indicators, as well as employment, housing, inventories, and more.
Redbook Research Inc.	Johnson Redbook Index	Proprietary indicator of growth in retail sales, and provides advanced estimates of trends in retail sales ahead of official releases and company reports in an easy-to-read four-page report. The weekly indicator is made public every Tuesday morning, with clients receiving notice via conference call, e-mail or fax prior to public release
Redbook Research Inc.	Johnson Redbook Retail Sales Monthly	The Johnson Redbook Retail Sales Monthly is a comprehensive report of same-store sales data reported monthly by general merchandise and apparel retailers. Analysis is given on current month sales, year-on-year, quarterly and annual sales, historical sales data and company rankings. Retailers are tracked across categories: Apparel Specialty, Books, Toy & Hobby, Department, Discount, Footwear, Furniture, Drug, Home

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
		Improvement, Home Furnishings, Electronic, Jewelry, Sporting Goods, and Miscellaneous. The Johnson Redbook Same-store Sales Index (SSI), an index of year-on-year same-store sales growth is reported in each edition.
Relationship Science	Relationship Science	Relationship Science is a technology solutions company working directly with executive teams to create competitive advantage. The RelSci Platform helps organizations of all sizes capture and leverage their relationship capital with the influential decision makers that matter to their success. Our investment banking clients utilize the platform's curated set of more than 2 million organizations and the 9 million decision makers affiliated with them to drive better business outcomes. (Contact: mbergander@reldsci.com)
Rezatec	Agriculture Management	Geospatial data analytics for optimising agribusiness operations. Businesses involved in agriculture, from farmers to FMCG companies, can benefit from our innovative agricultural monitoring techniques and satellite-derived data analytics.
Rezatec	Financial Services	Geospatial data analytics for global commodity trends. Dynamic geospatial analytical insights are delivered via Rezatec's secure portal providing frequently updated information on global commodities.
Rezatec	Forest Management	Geospatial Analytics Service for Forest Management.
Rezatec	Water Management Services	Geospatial data analytics for managing water catchments and pipeline risk. Rezatec's Geospatial Artificial Intelligence (AI) solution for water network operators combines remote sensing and data science to identify the conditions under which network failures occur and to quantify the Likelihood of Failure across the network.
RigLogix	First For Rig News	Our global team of analysts are embedded into the offshore rig market, which means that we hear, corroborate and can report rig news, first. Our daily and custom news feeds allow you filter using activity dates, keyword searches and activity type so you can customise your feed.
RigLogix	Global Rig Data Solutions	Our clients have access to accurate and timely industry data, first. This means a critical planning and response advantage. Access a world-class database and data management toolset with thousands of individual data points covering the global fleet.
RigLogix	Unique Market Analysis	If you're trying to understand trends or where dayrates may be headed, you need RigOutlook and our trend analysis. Input your own variables such as retirement rates, macro scenarios, supply and demand inclusions to view an historic and forecast outlook to 2024 for key rig types.
RootMetrics	Professional Services	Our professional services team provides dedicated issue exploration and analytic support. Customized experiments and deeper network diagnostics can be used to dig deeper into anomalies revealed by RootScore results
RootMetrics	RootScore	We use off-the-shelf smartphones to capture mobile network performance under real-world conditions across the various spaces of a consumer's mobile life. Our analysts then validate the data and find insights showing how each network handles typical consumer mobile demands.
RS Metrics	Custom Monitoring	Our capabilities for custom monitoring include historical and go-forward analysis for one or multiple locations. We work with the world's leading satellite, aerial, and drone platforms to select the best combination of data available for any project.
RS Metrics	ESG (Environment, Social, Governance)	Credible ESG starts with credible data. Our platform can measure many different ESG factors to ensure that your decisions rely on actual data rather than self-reports. Factors covered include land use, emissions, development, and fraud.
RS Metrics	Global real-time monitoring and alert system(GREAT)	Our platform can track and measure activity and change in real time at thousands of locations such as factories, retail sites, mines, and critical infrastructure.
RxData.net	Not So Visible Net Price For Pharmaceuticals	Commonly referred to as 'ex-manufacturer price' or 'ex-factory price', this important piece of information is not often widely published; instead, it must be reverse-engineered from the retail price, removing each added tax and margin a country may apply.
RxData.net	Understanding Drug Pricing with Machine Learning	Understanding Drug Pricing with Machine Learning.

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
Rystad Energy	Ecube	ECube (Exploration Database) provides bottom-up, up-to-date and consistent well level data relevant to understand ongoing exploration efforts. It is a dynamic source of exploration data, enabling analysis and benchmarking of companies as well as regions and basins.
Rystad Energy	SERVICE ANALYTICS	Service Analytics is a high quality and up-to-date analysis of the global service industry delivered through thematic reports, detailed factsheets and frequent commentaries. It is a comprehensive offering which supports companies in their strategy and decision-making within service markets.
Rystad Energy	SERVICECUBE	ServiceCube (Oilfield Service Databases) is a comprehensive solution, tracking the oilfield service market. It consists of complete and integrated field-by-field and contract-by-contract databases, analysis tools and independent insights, covering oilfield service purchases in detail. It combines the Demand database (oilfield services expenditures and costs for all E&P operators in the world broken down into more than 50 service segments) and the Supply Database (revenues and contract awards of the largest 500+ listed and private oilfield service companies broken down by the same segments). ServiceCube is an ideal tool for market analysis, strategic planning, business development, benchmarking, deal screening, cost analysis and evaluation of the oilfield services market.
Rystad Energy	SHALEWELLCUBE	ShaleWellCube (Shale Well Database) provides users with the most comprehensive and reliable data coverage for the North American shale, oil sands, and conventional well activities. It is a powerful tool that assists users with their own analysis of the historical development of oil and gas activities in a quick and efficient way.
Rystad Energy	Ucube	UCube (Upstream Database) is a comprehensive solution, consisting of complete and integrated field-by-field database, analysis tools and independent insights for the global upstream oil and gas market. It is an indispensable tool that provides users with a thorough oil and gas industry overview, assisting them in conducting business strategy and investment decisions within the upstream sector.
Satellite Imaging Corporation	Geographical Information Systems (GIS) Mapping	Satellite Imaging Corporation (SIC) combines orthorectified satellite imagery with extracted vector data and client-supplied geospatial data to create single, geographic information systems (GIS) data-rich maps for various industry applications including agriculture, disaster management, energy and environmental monitoring.
Satellite Imaging Corporation	Mining and Mineral Exploration	Satellite imagery and aerial photography have proven to be important tools in support of mineral exploration projects. They can be used in a variety of ways. Firstly they provide geologists and field crews the location of tracks, roads, fences and inhabited areas. This is important for mapping out potential access corridors for exploration areas and considering the environmental impact of large project. The satellite map data is also useful for mapping outcrops and regolith systematics and vegetation cover across exploration blocks and over regional areas
Satellite Imaging Corporation	Oil and Gas: Exploration and Development	Satellite imagery incorporated with GIS can give project managers a birds-eye view of oil and gas exploration and development operations and aid in monitoring of producing fields without being present and supports assessment of facilities, pipeline corridor planning, emergencies and hazards which can reveal potential risks for sensitive areas.
Seer Aerospace	Aircraft Utilization Data	Seer Aerospace provides aircraft usage patterns, and cost and reliability datasets.
Selerity	Private Context Engine	A Natural Language Processing (NLP) engine that analyzes digital communication in real-time to help sell-side professionals uncover new revenue opportunities, use less balance sheet, and comply with regulations.
Selerity	Real-time Event Data	Market-moving factual information from public only sources using real-time search & extraction.
Selerity	Selerity Context	A.I. powered contextual search & personalization service for platforms serving financial professionals and retail investors.
SESAMM	L'Humeur des Marchés Web & API (The Markets Mood)	SESAMM aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages... Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies. (Contact: enquiries@sesamm.com)
ShopperTrak	Retail Analytics	Traffic counting and conversion, store performance and quantify the impact of marketing.

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
SJ Consulting Group Inc.	Industry reports	SJC's Industry Reports offer a comprehensive view of various segments of the transportation industry and are backed by our unparalleled industry knowledge and forecasting capability.
Sky Watch	EarthCache	Search for and retrieve Earth observation data in a fully autonomous manner through machine-to-machine communication with RESTful APIs. Rapidly integrate Earth observation data into your applications with our easy-to-use code builder and comprehensive documentation. Set webhooks to be notified whenever your data is ready for collection.
Smith Travel	Consulting Services	Prepare and budget for the future with our Consulting & Analytics services. Our profitability data and customized solutions can help you extend your analysis beyond topline performance. Contact us to discuss how we can assist in meeting your business intelligence needs, or click here to view some of our previous case studies.
Smith Travel	Research	Our flexible and fully customizable research solutions provide a detailed look into consumer and business behavior across the globe.
Smith Travel	Supply and Development	Track the existing supply landscape as well as the development of new inventory in the market. Our supply and development data helps you stay one step ahead and anticipate the impact on future performance.
Social Alpha	Active Traders	Analytics dashboard and real time alerts suited for day and prop traders, swing and trend traders, event-driven and system traders.
Social Alpha	Financial Institutions	Social analytics factor feeds, dashboards, real time alerts and custom widgets
Social Market Analytics, Inc (SMA)	Activity Feed	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)
Social Market Analytics, Inc (SMA)	S-Factor Feed	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay. (Contact: doug@socialmarketanalytics.com)
Spire	SPACE ADS-B	Automatic Dependent Surveillance-Broadcast (ADS-B), and specifically space ADS-B, is a precise space surveillance system that uses GPS to determine airspeed, location, and other information about aircraft. Use of Nanosatellites are the only cost-effective way of collecting ADS-B data from remote regions and observing an aircraft's full flight profile. Extending beyond the coverage of ground stations means smoother operations and routing.
Spire	SPIRE OS:ORBITALSERVICES	Spire works with businesses & government to co-create and deploy customizable data collection satellites within just six months. This is secure, real-time data from custom payloads fitted to a customer's needs.
Spire	Spire Sense Cloud	Spire Sense Cloud offers a one-stop-shop for maritime data analytics. Our customers are companies who want best-in-class maritime domain awareness and state-of-the-art vessel tracking.
Spire	SPIRE STRATOS	The Spire Stratos sensor, which uses signals from global navigation satellites, gathers data about our atmosphere, ground, oceans, and magnetic field.
Statistical Survey	Industry Reports	Preformatted data delivered electronically in an easy to read format.
Statistical Survey	Spotfire	Online analytical software that gives you access to our complete array of data.
Steel Orbis	Billet & Slab Prices, News and Analysis	SteelOrbis is the primary information source preferred by thousands of firms for its up-to-date billet and slab prices, billet and slab market analyses and news, as it closely follows the main billet and slab markets such as the CIS and China. Used as a reference by key market players and accepted as the best in its field, the SteelOrbis Billet and Slab Prices page allows you to take a major step forward in your trading activities
Steel Orbis	Hot Rolled Coil Prices, News and Analysis	SteelOrbis is the primary information source preferred by thousands of firms for its up-to-date hot rolled coil prices, hot rolled coil market analyses and news, as it closely follows the main hot rolled coil markets such as China, the CIS, the EU, Turkey, the US and India. Used as a reference by key market players and accepted as the best in its field, the SteelOrbis Hot Rolled Coil Prices page allows you to take a major step forward in your

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
		trading activities.
Steel Orbis	Iron Ore Prices, News and Analysis	SteelOrbis is the primary information source preferred by leading iron ore producers for its up-to-date iron ore prices, iron ore market analyses and news, as it closely follows the main iron ore markets such as Australia, India and China. What is iron ore price per ton today? Where can I find iron ore price charts/graphs/tables? What is iron ore import/export volumes per countries?
Steel Orbis	Rebar Prices, News and Analysis	SteelOrbis is the primary information source preferred by thousands of firms for its up-to-date rebar prices, rebar market analyses and news, as it closely follows the main rebar markets such as Turkey, the US, China, Brazil, Italy and Spain. Used as a reference by key market players and accepted as the best in its field, the SteelOrbis Rebar Prices page allows you to take a major step forward in your trading activities.
Steel Orbis	Scrap Prices, News and Analysis	SteelOrbis is the primary information source preferred by thousands of firms for its up-to-date scrap prices, scrap market analyses and scrap forecasters, as it closely follows the main ferrous scrap markets such as the US, Russia, the UK, Europe, the Baltic countries and China. Used as a reference by key market players and accepted as the best in its field, the SteelOrbis Scrap Prices page allows you to take a major step forward in your trading activities.
STR	Competitive Benchmarking	Competitive benchmarking enables you to analyze a customized set of competitors, empowering you to make the right decisions to drive your business forward.
STR	Forecasts	Make confident decisions with insights into the future. With a forecasting model built on a wealth of historical data, our reports enable you to understand the current market landscape and receive foresight into future performance and industry trends
STR	Industry Trends	Dive into historical performance trends and see how the industry adapts to changing market dynamics. These unrivaled insights empower you to make informed decisions.
STR	Profit and Loss Reports	Gain a clear understanding of your property's bottom line with a comprehensive overview of financial performance and competitive insights. Our profit and loss (P&L) reports analyze your revenue and expenses, helping you identify the profitability trends that inform your revenue management strategy.
SuperData	The Arcade	The Arcade covers everything digital games. This metrics hub houses the world's most robust and comprehensive view of the vast and growing worldwide digital games market.
Tecnion Orbichem	Chem-Foresight	Chem-Foresight is a new price forecasting service, covering many of the main chemical raw materials. The starting point is the day-to-day monitoring of chemical markets by Tecnon Orbichem for its monthly reports, taken together with our regularly updated supply-demand databases. The consultants who generate these basic data also provide the final input on the market outlook of the moment. All this information is cross-indexed and correlated in order to synthesize 18-month forward predictions via proprietary algorithms.
Tecnion Orbichem	Chemical Business Focus	A Monthly Roundup & Analysis of the Key Factors Shaping World Chemical Markets. Tecnon OrbiChem's famous 'newsletters' contain comprehensive, detailed and incisive analysis of key petrochemical market sectors. They are compiled from a global perspective by teams of dedicated consultants in Europe, Asia and the Americas.
Tecnion Orbichem	Chem-Netfacts	Chem-Netfacts service provides a concise summary of the past month's activity and an assessment of short term price trends in individual product markets. Commentary, Analysis, Prices and Graphs. Chemical Market Insight & Foresight – All On One Page.
The Climate Corporation	FieldView	The Climate Corporation's proprietary Climate FieldView™ platform combines hyper-local weather monitoring, agronomic modeling, and high-resolution weather simulations to deliver Climate FieldView products and mobile SaaS solutions. These provide an overview of the global \$3 trillion agriculture industry.
The Fertilizer Institute	Customizable Data	TFI's market intelligence dashboard gives you access to customizable data sets with the click of a button. Only interested in one product? Need data from a certain timeframe? Our platform has you covered, and even lets you save your custom reports for easy access later.
The Fertilizer Institute	Data Snapshots	A picture is worth a thousand words. And with TFI's market intelligence dashboard, you can take your custom reports and create graphics to help you convey your messages. The easy-to-download charts and graphs can be used in internal business analysis and actionable intelligence.
The Fertilizer Institute	Market Dynamics	The dynamics of the fertilizer industry are constantly in motion. TFI's market intelligence platform gives you

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
		access to historical data, giving you a look at past trends and helping you make sense of a changing market.
TMT Analysis	Insight	Providing you with intelligence and insight on mobile devices and telecoms networks around the world.
TMT Analysis	Velocity	Our industry leading suite of numbering and routing products ensures you can accurately connect with your customers.
TMT Analysis	Verify	Trusted fraud and mobile verification services in this increasingly faceless world.
Tobacco Merchants Assoc Inc.	Economics	Taxes & Tariffs by products and country. Prices and market share by company, country and year. Productions and consumption by country and year. Imports and exports by commodity, exporting country and year.
Tobacco Merchants Assoc Inc.	News and Media	News and Industry research reports that can be searched by keyword, location, subject, product and sector.
Tobacco Merchants Assoc Inc.	Public Policy	Bill, laws, Regulations, Annoucements & Notices, court cases by date, subject, status and id. Public policy Comparison charts.
Tradesparq	Shipment Data	Access 800 million shipment records from 57 countries.
Tribe Dynamics	Utilize Tribe's Comprehensive Competitive Dashboard	Select your top 5, 10, or 15 competitors to benchmark their Earned Media Value (EMV) performance by region, identify their top influencers, and track the top content created about them by the influencer community.
Tribe Dynamics	Utilize Tribe's Influencer CRM and Campaign Tracking	Manage relationships and track unlimited influencer campaigns with Tribe's proprietary Influencer Relationship Management software.
Tribe Dynamics	Utilize Tribe's Proprietary Index of Lifestyle Influencers	Identify and reach out to the right influencers for your brand with social profiles across all major networks: YouTube, Instagram, Blogs, Twitter, Pinterest, and Facebook.
Triton Research	Corporate Development	Triton's data tools help find, evaluate, and diligence M&A targets, as well as enhance market and competitive intelligence functions.
Triton Research	Systematic and improved asset selection decisions	Triton's data tools help fund managers evaluate new investments and monitor existing portfolio positions.
Triton Research	Technology IPO	Triton's IPO Dossiers help tech IPO investors get down the curve on private technology companies in the weeks before an offering.
TruValue Labs	Truvalue Data	Scores on a company's long term ESG track record (Insight), and its trend (Momentum).
TruValue Labs	Truvalue Labs	Processing and analysing of user provided datasets using Turvalue's AI Engine.
TruValue Labs	Truvalue Platform	A robust, timely set of ESG data and analytics on intangible factors that have a material impact on company value.
Tyco Retail Solutions	Demographic Capture	Successful retailers recognize creating a personalized shopping experience is critical for success. With so many options at their fingertips, today's consumers expect more from in-store experiences.
Tyco Retail Solutions	Dwell Analysis	Understanding shopper behaviors is essential for maximizing conversion rates. By knowing where potential customers spend their time in-store, you can analyze customer behavior and gain actionable insight to maximize merchandising efforts, increase sales, optimize store performance, and ultimately, drive profitability.
Tyco Retail Solutions	Path Analysis	In today's competitive marketplace, retailers are always seeking new ways to improve store layouts and profit per square foot/meter. Understanding your shoppers' hot spots and paths-to-purchase is essential for optimizing store space and merchandise presentation — and our Path Analysis application can help.
Tyco Retail Solutions	Traffic Counting	Traffic counting reports on the number of customers entering and exiting a retailers store on a given day, by hour. Retailers often use this data to measure the effectiveness of their promotional and in store marketing campaigns.
UBS Evidence Lab	UBS Evidence Lab	A subscription to UBS Evidence Lab provides access to insight-ready datasets for 1000s of companies of all sizes.

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Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
Understory	Agriculture	Understory has developed hyper-local weather data that will allow those in the agricultural industry to know the exact weather conditions in their crops.
Understory	Atmosphere	Understory comprehensively assesses the critical impact of weather and air quality conditions on cities, communities, and businesses with Atmosphere.
Understory	Insurance Industry	Understory's hyper-local weather monitoring networks record individual hailstone impacts, wind gusts and even rain drops. We pull this environmental data into actionable material like storm scorecards and hail reports.
Understory	Utility Companies	Utility companies use wind data provided by Understory improve response to outages.
URSA	DATA PORTAL	The Ursa Data Portal is a beautiful, user-friendly interface that helps you get the job done. Interact directly with all our products to see the latest information for the places you care about most.
URSA	ENERGY ANALYTICS SUITE	Gain exclusive visibility into the global oil and gas supply chain with Ursa's industry-leading suite of energy analytics. Detect, monitor and validate E&P oil field activity in near real-time throughout the world by leveraging the largest radar network and Ursa's proprietary data processing techniques. Choose from a variety of reports and datasets
URSA	On-Demand Intel Reports	The exact intel you need, when you need it. Just tell us what you want to know.Ursa's radar satellite network enables our customers to access on-demand intelligence to answer specific questions. On-Demand Intel Reports provide insight on hard-to-reach places, anywhere in the world, by utilizing the world's largest virtual constellation of radar satellites
US Gov. Data	Agriculture	Explore data that can help inform agriculture investment, innovation and policy strategy. If you're interested in agricultural production, food security, rural development, nutrition, natural resources, regional food systems, this page is for you.
US Gov. Data	CONSUMER	Discover hundreds of free data sets and resources you can use to build apps that help consumers make smarter choices.
US Gov. Data	Energy	Discover data and resources on key energy topics like alternative fuels, green buildings, efficiency, and managing energy in your own home.
US Gov. Data	FINANCE	Explore hundreds of free data sets on financial services, including banking, lending, retirement, investments, and insurance. Start using these data sets to build new financial products and services, such as apps that help financial consumers and new models to help make loans to small businesses.
US Gov. Data	HEALTH	Explore datasets, tools, and applications related to health and health care. These resources come from across the Federal Government with the goal of improving the health and lives of all Americans.
US Gov. Data	MANUFACTURING	Explore data, tools, apps and research related to new technologies, facilities, and research.
Vessel Finder	Historical AIS data	Historical AIS data is a data source used for vessel traffic analyzes, port calling information, risk assessment and accident investigation.
Vessel Finder	Realtime AIS Data	Access to real time updates of vessel positions data, ship details, port calls and voyage information, arrival time
Vessel Finder	Satellite AIS Data	Ship positions data.
VesselsValue	Databases	Explore the database by a huge range of specifications and attributes with no restrictions on number of daily searches.
VesselsValue	Map	Our advanced AIS satellite and terrestrial vessel mapping and tracking service. Analyse current and historical vessel, company fleet and portfolio movements in real time.
VesselsValue	Trade	Unlike traditional methods, we don't rely on inaccurate or untimely customs data. Instead we use our data and algorithms to calculate all analytics including ton mile demand at the vessel level.
VesselsValue	Value	All values are for every vessel in the global fleet (circa. 90,000). They are updated daily, objective and 100% confidential. Full supporting information, company, fleet and portfolio values are also provided.
Wards Automotive Group Data		Sales, production, inventory, equipment, powertrain, fuel economy and much more offered through our WardsAuto.com.

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Product Description
Wards Automotive Group Forecasts		Wards Intelligence provides our global and regional forecasts of vehicle, powertrain and drivetrain volumes.
Wards Automotive Group Insights		Competitive analyses, benchmarks, technology trends and scenario reports, quarterly Wards Intelligence Outlookevents providing expert opinion, analysis and perspective.
Windward	Windward Technology Platform	The Windward Technology Platform is a maritime risk analytics system comprising some 20 billion ship operations and updated with hundreds of millions of new data points each day relating to the movements and behaviour of the world fleet. (Contact: elliott@wnwd.com)
Woodseer / Investment Tools Ltd	Woodseer Dividend Forecast Data	Our dividend forecast dataset runs ahead two full fiscal years with forecast amounts and dates for over 24000 securities including equities, ADRs and ETFs. We receive partner EDI's daily global corporate actions data (among other sources) and apply our proprietary algorithm to predict forward. Our London based analyst team review and in this way we achieve both huge scale / coverage and strong accuracy. Our accuracy is constantly evolving as automate and codify rule into our prediction software (Contact: ed.dean@woodseer.global)
World Bank	DataBank	DataBank is an analysis and visualisation tool that contains collections of time series data on a variety of topics. You can create your own queries; generate tables, charts, and maps; and easily save, embed, and share them
World Bank	Microdata Library	Provides access to data collected through sample surveys of households, business establishments or other facilities.
World Bank	Open Data Catalog	Provides a listing of available World Bank datasets, including databases, pre-formatted tables, reports, and other resources.
World Bank	Open Finances	Explore raw data about the World Bank Group's finances, including disbursements and management of global funds.
World Bank	World Development Indicators	The primary World Bank collection of development indicators, compiled from officially-recognized international sources.
World Bureau of Metal Statistics	World Metal Statistics	A comprehensive statistical guide, updated monthly, including production and consumption of the major non-ferrous metals, listed on a country by country basis. Electronic version available. This monthly publication contains full up to date details of production, consumption and trade of the major non-ferrous metals. The chapters for aluminium, copper, lead, nickel, tin and zinc contain world pages for mine and refined production, consumption of the refined metal, trade and stocks, as well as individual country pages for the major producers and/or traders for particular metals. Also featured are chapters on antimony, cadmium, gold, molybdenum and silver, plus daily prices and monthly/annual averages for aluminium, copper, lead, nickel, tin, silver and gold
X-mode	Advertising Technology	Leverage X-Mode's data to power and develop your attribution and measurement solutions.
X-mode	Financial Technology	Harness the power of 3+ years of historical location data to understand financial trends and promote smarter investment strategies.
X-mode	Smart Mobility	Quantify human behaviour to evaluate insurance opportunities and predict risk level.
Yewno	Yewno Edge	AI driven investment research platform.

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

All Asset Classes

Company Name	Product Name	Product Description
1010 Data	1010connect	1010connect enables you to share and control distribution of your data outside your enterprise – giving you the power to create a foundation for unprecedented collaboration with business partners, or to turn your data into a differentiated, high-margin generator of recurring revenue.
1010 Data	1010edge	An Intuitive Enterprise Analytics and Data Orchestration Platform that supports all your data and analytics needs
1010 Data	1010reveal Equity Insights	Track pre-earnings sales trends and company performance. 1010reveal delivers data-driven insights that help buy-side equity investors make better investment decisions. Easily access a variety of data – delivered in near-real-time – to gain a unique perspective on individual company performance.
1010 Data	1010reveal Fixed Income	Leverage a single platform for powerful analysis of large and complex datasets for MBS/ABS analysis
1010 Data	1010reveal Retail	Anticipate and Respond to Changing Consumer Behavior for Immediate Impact
2iQ	2iQ Insider Model	2iQ Insider model provide the most complete insider transactions historical data set in the industry, available via API, real-time or end of day feed.
2iQ	Fundamental Investors	Fundamental investing requires precision and in-depth understanding of a company's inner workings and growth potential. Those with the deepest knowledge are often within the company: directors, managers and board members. These individuals are closest to the action and their trading can signal trends which other analysis may not catch – but you have to know what to look for, as well as where and when.
2iQ	Quantitative Investors	Advances in machine learning, AI, and other predictive quantitative investment techniques continue to push the marketplace towards increasingly complex solutions.
Aclima	Environmental intelligence	Aclima delivers hyperlocal air pollution and climate emissions intelligence at unprecedented block-by-block resolution.
Activ Financial	ActivFeed	ActivFeed is our highly compressed datastream, delivering every tick on every instrument, but in a small bandwidth footprint.
Activ Financial	ActivFeed Direct	ActivFeed Direct is for implementations demanding the lowest possible latency, or for firms that have a desire to own and operate its own dedicated ticker plant.
Activ Financial	ActivWorkStation	The ActivWorkstation (AWS) is a true trader's tool providing fast access to market data including advanced charting, time and sales, and option analytics
Activ Financial	MPU Gen3 (FPGA)	The Market Data Processing Unit (MPU) is a ticker plant device that facilitates large-scale, real-time data distribution.
Almax Information Systems	Almax data service	The Almax data service saves time for busy investors and traders, enabling accurate monitoring of stock and futures data with remarkable speed and ease.
Amee	AMEE MONITOR	We provide reports and software to help you efficiently assess and manage cost, risk and reputation of your supply chain.
Amee	CRC Compliance	AMEE helped us comply with our CRC reporting and allowance purchasing obligations much more efficiently, saving us significant money, time and manpower in report preparation.
Amee	Data Platforms	We build technology platforms that make environmental data easily accessible and useful to foster collaboration and innovation.
Amee	Supply Chain	Promote your company with prospective and existing customers by sharing data and achievements.
Amenity Analytics	Amenity viewer	Earnings sentiment analysis just got easier. The Amenity Viewer systematically analyzes every earnings call transcript which enables you to spot outliers, identify critical insights, and understand key drivers.
AreaMetrics	Products for marketers and brands	Target consumer ads based on location, unlock new insights into your consumer' purchase path, and build a more holistic profile of your customers.
AreaMetrics	Transparent App Monetization	A snippet is a small amount of fully transparent, readable code that can be copied and pasted into any application. These Bluetooth beacons are installed in retail venues and are used to gain insights from in-store

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
		foot-traffic.
Associated Press	ADVERTISE WITH US	Promote your brand with premium placements and sponsorship opportunities across our web and mobile channels, as well as our network of publisher, broadcaster and corporate websites.
Associated Press	AP CONTENT SERVICES	AP Content Services is the content marketing service of The Associated Press. We craft custom storytelling projects and distribute them globally via our media distribution and advertising channels.
Associated Press	AP ENPS NEWS PRODUCTION SYSTEM	AP ENPS is the one system for your entire news organization, whether your staff is working in the field or in the office. No matter where your ENPS users are, they can create content for your broadcast or digital platforms.
Associated Press	LIVE AND LOCATION SERVICES	Cover worldwide events and access full production and editorial solutions with AP's unrivalled network of studios and temporary facilities.
Associated Press	PLANNING AND MEDIA TOOLS	Our forward-planning event calendar and style guide are stand-bys relied upon by professionals around the world.
Australian Associated Press	AAP Publish	AAP Publish gives you total control over content. Create your stories, amplify with social, and then enrich with breaking news, images and video from the award-winning AAP newswire
Australian Associated Press	Commissioned Content	Made-to-order content – stories, photography, video – produced by media professionals and delivered ready-to-publish. Cost-effective and deadline dependable, the commissioned content service is a one-stop solution for tailored content creation across websites, mobile, tablet, magazines, company reports and books.
Australian Associated Press	Digital Screens	Digital screen service delivers AAP stories and pictures for your network of locations via our content API. The continuous stream of news comes straight from our national team of professional journalists and producers.
Australian Associated Press	Graphics	Dynamically updated storytelling through smart and engaging interactive graphics. Created around key news, sport, show business and special events. Seamless, full-supported client integration through iframe embed codes and CSS-based design.
Australian Associated Press	Medianet for Journalists	Free press release database for working journalists, reporters, editors and producers, providing a rich vein of real-time announcements. An essential service to stay connected with the news cycle and manage coverage across various sectors – corporates, government, not-for-profit and industry bodies.
Barchart	Dashboard	Allows viewing groups of charts from the Flipchart ribbon to 4 separate symbols at once as you flip through your Watchlists, Portfolios, or other major market lists. Download raw chart data and get your favorite technical charts emailed each and every day after market close.
BayStreet Research	Insights	Insights into the Smartphone, Tablet, and Connected Smartwatch Markets
BayStreet Research	Smartphone Sell-Through Data	Our research reports focus on smartphone, tablet and connected smartwatch sell-through trends for the major mobile device manufacturers. Published five times per quarter, the Data Walk© reports offer unique, data point-rich market intelligence and analysis of short and long-term trends in the U.S.
Benzinga	Financial APIs	Benzinga has been covering the markets since 2009 and our data powers the biggest players in the space. We originate & aggregate financial content for the largest hedge funds, quants, brokerages and research platforms.
Big Finance	Big Finance Data Platform	Provides granular data sourced at most fundamental level possible giving flexibility to produce differentiated analysis and research.
Big Finance	S.Korea Trade Data	FNGO trade data tracks +185 key products that are exported from S.Korea including DRAM, NAND, Displays, EV Batteries, Cosmetics, bio-medicines and steel products which forms most important data used to analyze supply chains and company fundamentals
Big One Lab	Diverse Alternative Data Sources	Tracking 1 billion mobile devices nationwide.
Bluefire AI	ASSET INTELLIGENCE	Across all market data, published financial reports, news articles, public relations statements, product launches, investor communication, analyst transcripts and broker reports.
Brain Company	BRAIN MACHINE LEARNING STOCK RANKING	Brain Machine Learning proprietary platform is exploited to generate a daily stock ranking based on the predicted future returns of a universe of 1000 stocks on four time horizons: 2, 3, 5 and 10 days (other time horizons could be developed and tested upon request).

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
Brain Company	BRAIN MARKET SENTIMENT	Brain Market Sentiment (BMS) provides a daily a score on the general mood of the market by automatically clustering by topic thousands of news from most popular financial media.
Brain Company	BRAIN SENTIMENT INDICATOR	The Brain Sentiment Indicator (BSI) measures the "mood" on approximately 7000 global stocks based on the analysis of financial news using Natural Language Processing techniques.
Brain Company	BRAIN THEMATIC BASKETS	Algorithm-based selection among a large database of companies of a basket of stocks whose business is related to a specific theme (es. "nanotechnology").
Brain Company	RISK ON / RISK OFF SIGNALS	Risk ON / Risk OFF signals based on VIX statistical indicators (Dynamic Volatility Signal) and including measures of financial stress indicators and macro-economic environment (Brain Dynamic Allocation Indicator).
BrandWatch	Brandwatch Analytics	Brandwatch Analytics is the world-leading social listening platform.
BrandWatch	ForSight	AI-powered consumer insights.
BrandWatch	HelioSight	Get curated insights about your specific campaign, competition, industry and more. Built for the casual data user, HelioSight provides a quick search for exploring large scale consumer conversations.
BrandWatch	Vizia	The leading marketing reporting and command center solution for the enterprise.
BvD	Credit Catalyst	Credit catalyst helps in comprehensive coverage of companies across the globe, standardized reports so you can benchmark and compare companies and financial strength indicators from a range of providers
BvD	Fame	Fame is easy to use and helps you navigate company information quickly and easily. Fame helps you research individual companies, search for companies with specific profiles, and do detailed analysis.
BvD	Orbis	Orbis is the world's most powerful comparable data resource on private companies.
BvD	TP Catalyst	It simplifies transfer pricing analyses, including profit and transaction-based analyses. Developed in conjunction with TP specialists, TP Catalyst streamlines processes, eliminates redundant steps and reduces data manipulation.
BvD	zephyr	Zephyr is the most comprehensive database of deal information - and it's updated hourly.
Civic Science	Depth	Understand how vulnerable you are to the changing opinions of the marketplace and find opportunities to gain market share
Civic Science	Foresight	Foresight lets you see into the future to guide product and innovation strategy.
Civic Science	Speed	Shareable reports capture specific trends to influence board rooms.
ClimaCell	CBAM	On-demand, customizable, and accurate NWP solution. Get an unfair advantage with actionable information for your business.
ClimaCell	Consumer App	ClimaCell's weather app and get hyper accurate and specific weather information to better plan your day, avoiding wet shoes, wet dogs, and cancelled picnics.
ClimaCell	Hypercast	HyperCast 2.0 is the next generation of ClimaCell's revolutionary weather forecasting platform. In use by companies across weather-sensitive industries, HyperCast provides answers to our customers' specific weather questions, allowing them to optimize operations, enhance safety, protect assets, reduce losses, and seize business opportunities.
Comscore	Analytics and Optimization	Make marketing investments and business decisions with confidence.
Comscore	Movies Reporting and Analytics	Optimize box office performance to keep moviegoers coming back for more.
Comscore	Ratings and Planning	Understand and evaluate audiences and advertising everywhere.
Conversant	Digital Marketing	Helping marketers create human connections that count, everywhere.
CoreLogic	Case-Shiller	CoreLogic's Case-Shiller Indexes provide a wide range of housing information and analytics in products focused on property data, collateral valuation, and home price trends and forecasts.

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
		Indexes help securities investors, mortgage banks, servicing operations, and government agencies make property valuations, assess and manage risk, mitigate losses, and control appraisal quality.
CoreLogic	CoreLogic HPI	CoreLogic HPI is the most current, comprehensive set of home-price indexes available on the market. A repeat-sales index that tracks increases and decreases in the same home's sales price over time – whether single-family attached or single-family detached – CoreLogic HPI provides a more accurate “constant-quality” view of pricing trends than pricing analyses based on all home sales.
CoreLogic	ListingTrends	With deep and broad coverage of U.S. Multiple-Listing Services (MLS) data, CoreLogic ListingTrends provides monthly snapshots of time-series housing data – at the ZIP Code-level and above – from 2007 forward. CoreLogic ListingTrends also aggregates key housing metrics, including leading indicators of house prices, listing inventories, days on market and absorption rates by listing type – new, active, pending, closed and sold.
CoreLogic	Marketrac	Marketrac® provides lenders, title companies and builders with an interactive, robust means to measure competitive market share and volumes by geographic area, transaction and loan type. Marketrac provides the data to help you establish strategic relationships with real estate agents, recruit top performing loan officers, analyze builder relationships, benchmark your company's market share, and identify new or rising markets with data ranging from a single zip code to nationwide coverage.
CoreLogic	Matrix 360	Matrix™ 360 is the latest version of Matrix from CoreLogic® that unifies Matrix listing data and Realist® property data, allowing you to search across both data sets from a single, familiar system. The result is a truly property-centric system that gives you a comprehensive view of properties in your market – regardless if they are current listings, past listings, or never listed at all.
CoreLogic	Realist	Realist® is a public-record database that seamlessly integrates with your MLS system, allowing your members to quickly research properties and listings, assess market conditions and trends, value homes, identify comparable sales, market to buyers and sellers, and create custom exports. Realist enhances the capabilities of your MLS system, giving your members the insights necessary to identify, understand and take decisive action.
CoreLogic	RealQuest	RealQuest® from CoreLogic®, provides everything anyone would possibly want to know about a property in an easy-to-use format: property reports, MLS data, and property valuations and transaction histories.
CounterpointResearch	Research Portal	Insightful reports and blogs to keep you up to date with the latest in the world of technology
CQG	CQG Desktop	CQG Desktop is the next generation of trading and data visualization from the original data and analytics expert you've trusted for more than 35 years. CQG Desktop offers trading, market data, charting, and analytics all in one easy-to-use product that can be customized to meet your trading needs.
CQG	CQG FX	Fully integrated into the CQG ecosystem, traders can leverage CQG Integrated Client's robust market data, analytics, and electronic trade routing tools to trade foreign exchange via CQG FX.
CQG	CQG Integrated Client	Provide traders with innovative trading interfaces complete with accurate global market data, professional analytical tools, and advanced order routing
CQG	CQG QTrader	The professional trader's go-to platform, CQG QTrader includes analytics, charts, and multiple trade execution interfaces in one comprehensive solution. CQG QTrader offers many of the same features available in our flagship product, CQG Integrated Client.
CQG	CQG Spreader	This sophisticated order management and ultra-low-latency trade execution interface routes orders to the CQG Spreader Core, our co-located exchange servers. The CQG Spreader Core uses proprietary algorithms to manage your orders, allowing for modification and execution of the synthetic spread leg orders to occur in less than one millisecond.
Crunchbase	Crunchbase Enterprise	With Crunchbase Enterprise: leverage Crunchbase data to enrich your database, make data scrubbing easy, ensure good data hygiene, and give your team access to the company information they need to spot opportunities.
Crunchbase	Crunchbase Pro	It includes the features like advanced search, personalized alerts, competitive analysis tools and data visualization.
Crunchbase	Customer stories	Crunchbase is a platform for finding business information about private and public companies. Crunchbase information includes investments and funding information, founding members and individuals in leadership

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
		positions, mergers and acquisitions, news, and industry trends.
Crunchbase	Data Licensing	It helps in delivering better customer experience, minimal engineering investment needed and no data cleanup or maintenance is required.
Crunchbase	Data Partners	Crunchbase is a platform for finding business information about private and public companies. Crunchbase information includes investments and funding information, founding members and individuals in leadership positions, mergers and acquisitions, news, and industry trends.
Data Discovery Studio	GeoPortal	The CINERGI Data Portal is part of the Earthcube project.
data.world	Govern & Access	Provide faster access to the data people need. Protect the security, privacy and integrity of your data.
data.world	Knowledge Graph	Getting a Google-like experience with better search, discovery, and smart suggestions doesn't require huge, expensive changes to your existing data stack.
data.world	Unite & Discover	Unite data, analysis, and people in the data catalog designed for discovery, productivity, and teamwork.
Datarama	Datarama Platform	Award-winning RegTech platform combines technology and human expertise to streamline due diligence, risk assessment and deal identification process.
Datarama	Risk Consulting	Team of expert analysts provide a range of risk advisory services leveraging on our on-the-ground networks.
Datarama	Wealth Finder	Unique wealth finder algorithm can help you identify over 50,000 wealthy individuals in APAC.
DataStreamX	Data Solutions	Provides data driven targeting solution designed for marketers, advertisers and agencies who want to leverage high quality mobile location based data.
DataWeave	Assortment Intelligence	Assortment Intelligence solution provides you with up-to-date information on the latest product trends and high-demand gaps in your assortment, enabling focused assortment expansion and planning.
DataWeave	Pricing Intelligence	Pricing Intelligence solution is designed to give you accurate, timely and actionable insights on the pricing of thousands of products across any number of competitors - as frequently as you need it.
DataWeave	Promotional Insights	Promotional Insights solution analyzes the online promotions of your competitors to provide you with an in-depth view of the overall promotions landscape - helping you sharpen your promotional strategies and spur purchases from established and new consumers.
Dawex	Data Exchange Platform	Data providers and acquirers on a Data Exchange Platform benefit from multiple integrated functionalities making data sharing, sourcing and monetizing easy, effective and secure.
Dawex	Global Data Marketplace	Data Exchange Platform offering, companies interested in developing data exchange and leveraging data internally within a well-controlled ecosystem (comprising subsidiaries, clients, suppliers, etc.) may take advantage of all Dawex features in private mode:
DemystData	DemystHub	Ingest linked, full file, scaling external data assets into your data lake. External data quality and governance reports and tools. Centralized panel and full file data creation and access. Enterprise data ingestion workflows and flexible configuration.
DemystData	DemystLabs	Access the largest data marketplace to discover all the attributes that will yield new insights.
DemystData	DemystLive	Combine and deploy attributes at scale in production. Access all available external data for commercial decision making APIs for batch enrichment, realtime pipe configuration, real-time access, and usage monitoring.
Dun and Bradstreet (formerly Avention)	D&B Country Insight Solutions	Identify risk and opportunity around the world. Click on any country to view its risk assessment for the current month. Select a date to view past heat maps.
Dun and Bradstreet (formerly Avention)	D&B Credit Platform	A scalable solution that puts Dun & Bradstreet's industry-leading business credit scores and analytics at your fingertips.
Dun and Bradstreet (formerly Avention)	D&B Direct for Finance	Assess risk and creditworthiness in real-time.
Dun and Bradstreet (formerly Avention)	D&B Enterprise Risk Assessment Manager	Power global operational efficiencies to drive growth, manage credit, and maximize working capital.

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
Dun and Bradstreet (formerly Avention)	D&B® Portfolio Risk Manager for DNBi	Enhance your cash management strategy using D&B® Portfolio Risk Manager for DNBi. Choose from over a dozen analytic reports for risk, exposure and segmentation to view and analyze your accounts receivable and to get a big-picture view of your portfolio's overall performance.
Dun and Bradstreet (formerly Avention)	DNBi Risk Management	Advanced rules-based capabilities to help credit teams automate and systematize new credit application review and account management processes.
Eagle Alpha	Data Analytics	Data Analytics “democratizes data” for discretionary managers by providing customized dashboards on top of alternative datasets.
Eagle Alpha	Data Sourcing	Data Sourcing keeps clients on top of all the alternative datasets worldwide.
Eagle Alpha	Data Strategy	Data Strategy's primary goal is to keep clients at the cutting edge of how to make alpha from the 24 different categories of alternative data.
Eagle Alpha	Search Term Management Tool	Cloud interface for Google Trends search term download strategy management leveraging Eagle Alpha's 6 years of experience with working with Google Data. - Queue and scheduler for managing what to download and when. - Docker container monitors term downloading adhering to known limits. - Algorithms to scale and combine data from multiple frequencies and timespans into unified time series. - AWS Athena for serverless query of the final trend data. - Credentialled Python wrapped for easy usage. - Complete infrastructure to support ~47,000 term downloads per month. - Support from Eagle Alpha to setup downloading strategies to meet your needs if required. (Contact: enquiries@eaglealpha.com)
ECdataway	Brand Marketing Research	It helps in getting the trends of the industry quickly as well as the sales price and quantity. It is also available to do cross-analysis for different platforms, brands, stores, SKU etc, and offers me a customized report.
ECdataway	channel Management	It helps me monitoring more than 236 online stores on the 12 different platforms, I can efficiently manage the channels by the scoring system and also provides reports to me.
ECdataway	Info Master All Channels Version	It helps me know the whole chart of the industry, i can get the product information about the price, volume, and the promotions of the brands, shops or SKU immediately.
EIDOSearch	Equities	EidoSearch is pioneering the use of objective statistics and return probabilities by Equity Asset Managers and Hedge Funds to enhance their investment decision making and improve profitability.
EIDOSearch	Global Macro	EidoSearch provides tremendous power to investors analyzing current market trends and comparing them to similar environments historically. Our unique edge is the ability to capture not just the size of these moves, but also the path and trajectory to deliver more accurate statistics.
EIDOSearch	Options	EidoSearch provides a competitive edge for Options Traders over traditional methods used to forecast volatility (historical / implied). We have exhaustively tested and validated the accuracy of our return distributions using the actual returns of similar pattern instances historically.
EIDOSearch	Portfolio and Risk	EidoSearch is evolving the way that financial markets are able to forecast returns, volatility and downside risk, because we don't rely on limited factors like assuming normal return distributions.
EIDOSearch	Quantitative	EidoSearch is an innovative technology and research firm utilizing signal processing and content based search technologies to find relationships in financial time series data. Because our algorithms are not constrained to looking for defined data patterns, we find information and Alpha well beyond well documented effects like momentum, mean reversion or other classified patterns price patterns.
Eilers & Krejcik Gaming	Company Research	Company research offering includes the active coverage of all major gaming equipment and technology providers, as well as both social gaming and real-money online gaming companies.
Eilers & Krejcik Gaming	Consulting Services	Consulting Services division provides a wide range of customized research products and advisory services for both gaming companies and investors including but not limited to customized surveys, project feasibility studies, fairness opinions, new market analysis, asset valuation, and competitive analysis.
Eilers & Krejcik Gaming	Market Research	Market research offering includes multiple surveys and internally developed reports that are designed specifically to track key industry and product demand drivers, operating metrics, market share trends, and technology adoption rates.

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
Entgroup	Daily Box Office	Daily data of the Gross Collection of movies.
Entgroup	News	News related to the screenings.
ENVERUS	Data Genic	Powerful and flexible smart commodity data management solution that provides a controlled framework for the acquisition, processing, validation, management and distribution of complex usage data.
ENVERUS	DI Analytics	DI Analytics provides the most complete set of energy data and energy analytics available. Find hidden value by identifying oil & gas lease and permit trends, benchmarking operator productivity, and evaluating reservoir quality.
ENVERUS	Market Research	Get Industry's most comprehensive, timely, and integrated proprietary data sets regarding M&A, PE Capital, and Competitor Intelligence.
ENVERUS	Market View	MarketView provides access to the industry's most extensive energy data library. Our SaaS-based desktop and mobile tools guarantee availability anytime, anywhere.
ENVERUS	Rig Analytics	Leverage real-time rig data on 95 percent of the United States rig fleet to make better investment and business decisions.
Epsilon	Data	Benefit from our connected suite of industrial-strength data assets.
Epsilon	Marketing Technology	Suite of interaction management products and services empowers you to tell a unified story across all your customers' channels and devices.
eSignal	eSIGNAL SIGNATURE	It generates trading ideas with Market Screener Plus and chart with 100s of technical indicators.
eSignal	MARKET SCREENER PLUS+	Globally scan all symbols for new trading opportunities that fit the criteria you choose based on hundreds of scan fields and technical indicators for almost infinite scan combinations.
eSignal	OPTIONS ANALYTIX	An automatically generated, forward looking algorithm, that identifies tradeable pivots.
EventVestor	Alpha Events	Over 25 key events with highly granular quantitative and qualitative data points to build alpha generating algorithemic models.
EventVestor	EventVestor	EventVestor is a leading cloud-based financial data and intelligence platform for investment professionals and investor relations. Over 2,000 organizations including corporations (issuers), stock exchanges, and institutional investors are benefiting from EventVestor event-driven analytics and proxy analytics.
Exerica	FINANCIAL ANALYSIS	Exerica is a unique AI that extracts and identifies meaning and context of data in financial and statistical documents. It makes manual data entry redundant to take financial analysis capacity to the next generation.
FactSet	Alternative Data	Generate new insights with unique datasets that help you go from data to decision faster.
FactSet	Core Company Data	The essential company data and information you need to make smarter investment decisions.
FactSet	Event-Driven Data	Find and analyze the latest corporate actions.
FactSet	Market Data	FactSet's comprehensive market data brings you coverage across asset classes and geographies.
FactSet	News & Research	Get real-time news and investment research about the companies and markets you care about.
Finadium	N-PORT Analytics	Finadium will collect all SEC Form N-PORT filings and provides an analysis tool covering all variable options. The dataset, part of SEC modernization, offers robust information on portfolio level risk metrics, securities lending borrowers and collateral, repo, derivatives, and portfolio holdings.
Finadium	US Mutual Funds and ETFs in Securities Lending Analytics	Finadium has created an enhanced database of US mutual funds and ETFs in securities lending that incorporates SEC filings and additional industry content. The database provides industry analysis of market trends and funds using leading factors such as strategy, benchmark, fund complex, fee splits, cash collateral fees and more.
Finweavers	Data	Platform with access to traditional investment research, alternative data, and portfolio data. Also provides a data marketplace with various visualization tools.
First Data SpendTrend	Analytics & Reporting	Our analytics and reporting solutions help you: improve your marketing effectiveness, mitigate risk, prevent and

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Product Description
	Solutions	detect fraud, and increase efficiency.
First Data SpendTrend	Clover® Gift Cards	With Clover® Gift Cards, you can launch your own mobile gift card program in minutes.
First Data SpendTrend	Clover® Insights	Clover® Insights is sales analysis for small business. It harnesses your business' transaction data to help uncover exciting new opportunities so you can better focus your activities and grow.
First Data SpendTrend	Clover® Rewards	Clover Rewards gives you everything you need to run your own digital customer loyalty and marketing program so you can better engage with your customers on a regular basis.
First Data SpendTrend	Clover® Security	Clover® Security is First Data's state-of-the-art data protection solution for small businesses. This dynamic security package helps safeguard your business and reputation, making sure your hard work pays off.
FN Arena	Corporate Results Monitor	FNArena's All-Year Round Australian Corporate Results Monitor.
FN Arena	Pitt Street Research	Pitt Street Research provides issuer-sponsored equity research on companies that are publicly traded on the Australian Securities Exchange (ASX).
FN Arena	The Short Report	All data in FNArena's The Short Report are obtained from the Australian Securities and Investments Commission (ASIC). Financial participants report their short positions on voluntary basis.
Foursquare	Attribution	Quantifies the impact of advertising on Foot Traffic.
Foursquare	Pilgrim SDK	Embed location awareness engine into your app to engage users with contextually relevant and geo-aware content.
Foursquare	Pinpoint	Closes loop between digital media and physical worlds with data-driven media planning, activation, and measurement built on industry's leading location platform.
Foursquare	Places	Empowers users to explore millions of points-of-interests via your app or website by powering rich location data features like geo-tagging and venue search.
Foursquare	Visit	Foursquare's core location tech, our visit data doesn't compromise accuracy for scale. We measure an audience of +100 million consumers every single month visiting places around the country, maintaining the highest standards of data integrity and quality.
Geocento	Drones Imagery	Geocento, we offer access to drone operators through our global network of drone brokers, who each understand and know their regulatory environments, and know who are qualified and approved to operate.
Geocento	Image analytics	Geocento is partnering with a number of industry-leading organisations to offer advanced analytics derived from satellite and airborne imagery.
Geocento	Satellite imagery	Geocento offers access to imagery from more image suppliers than anyone else, at no extra cost to you through using our services, providing you with access to a very wide range of competitively priced image types and resolutions
Geospatial Insight	DroneWatch	Designed and developed exclusively by geospatial Insight, our DroneWatch service provides a secure portal for clients to view commissioned drone footage alongside exact mapping of the flightpath which details precisely where each frame was shot, including the position and orientation of the camera.
Geospatial Insight	EvenTrac	Our findings are provided to Hedge Fund and Investment managers, corporate entities and other companies, such as insurers and investors, who have a vested interest in the recovery of commercial assets, properties or entire regions.
Geospatial Insight	PropertyView	PropertyView delivers new insights and enriched data to help insurers, reinsurers and brokers better understand characteristics associated with individual properties or large portfolios.
Geospatial Insight	RetailWatch	RetailWatch utilises imagery to produce and structure data reflecting consumer footfall.
Geospatial Insight	TankWatch	TankWatch provides a satellite-based approach to deliver regular weekly intelligence across global oil storage tank sites. A unique insight into global oil inventories and reserves, tailored to meet the needs of traders and analysts.
GfK Boutique Research	Consumer Insights	The demanding and fast-paced environment requires a deeper understanding of consumers to allow you to

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Company Name	Product Name	Product Description
		Identify the right targets, Exploit key trends, Leverage purchase drivers, Influence purchase decisions and Size and prioritise opportunities
GfK Boutique Research	Consumer Panel	We use our consumer panel data to explore shopping behavior; where consumers go to find new products, how they research and compare products, how they use them and the factors that drive their decision making and path to purchase.
GfK Boutique Research	Distribution and Supply Chain Management	Our specialists deliver supply chain management intelligence you need to manage your supply chain from end to end with maximum efficiency. We combine distribution data with actual point of sales and product data, as well as sales forecasts
GfK Boutique Research	Geomarketing	Solutions include regional market analyses, target group localization, sales territory planning, digital maps such as purchasing power and regional market data as well as appraisals of real estate, locations and sales networks for the industry, retail and manufacturing sectors.
GfK Boutique Research	Point of sales tracking	Point of Sales (POS) Tracking helps you measure your market share and brand performance and benchmark it against your competition. We have built the world's largest retail panel, and track products and deliver insights based on actual sales data from both retailer and reseller.
GuidePoint (including Quanton Data)	Guidepoint Insights	Our series of 150+ monthly events are designed to leverage expert perspectives to help you understand key issues and trending topics.
GuidePoint (including Quanton Data)	Guidepoint survey	Surveys can be a powerful tool in the decision-making process, efficiently delivering insights from a large number of experts in a short period of time.
HFR	Hedge Fund Industry Reports	HFR Industry Reports provide detailed statistics in regard to hedge fund industry size, assets, asset flows and fund launches & liquidations
HFR	HFR Database	Access detailed profiles of hedge funds, funds of funds, managed futures, and liquid alternative investment products across a full range of strategies and regions
Intelius	Background Check	Background Check with Intelius, you will receive a report which could include the individual's criminal record, marriage and divorce history, lawsuits they have been involved in, bankruptcies, liens against them, and more.
Intelius	People Directory	Intelius has one of the largest people directories in the industry. No matter if you are looking for information on an associate, an address of an old friend, or a phone number for a family member, Intelius can help!
Intelius	Public Records	Public Records report can provide valuable data on just about anyone. Information may include (when available) phone numbers, address history, age, birthdate, email addresses, social network profiles, marriage & divorce records with relationship analysis, and more.
Intrinio	Foundation	The baseline of data you need to power your analysis, website, or application. Stock prices, fundamentals, and other data on U.S. publicly traded companies available via API, Excel, widgets, and bulk downloads with simple, affordable pricing.
Intrinio	Prophet	Prophet enables banks, hedge funds, and buy/sell side firms access to never sold before, unique high-alpha, highly predictive data sets that are not available in the market.
Intrinio	vantage	With advanced analytics datasets, Vantage provides sophisticated financial analysts with the information developers and companies need to analyze US Equities in-depth.
iResearch	Consumer Goods	We customize and optimize online marketing strategies and provide data and consulting services to increase online sales. Our services cover cosmetics, personal care products, food and beverage products, clothing, household appliances, IT/communications equipment and more. We provide an data-based evaluation system to help enterprises which produce consumer goods to more effectively use the Internet and develop quality channels for marketing and sales expansion.
iResearch	Gaming	We provide data and strategic consulting services to clients engaged in the gaming industry to deepen understanding of their users and develop clear strategic plans to increase competitiveness.
iResearch	Investment Advisory	iResearch's Investment Advisory serves institutional investors with a broad spectrum of services including fundamental research on both listed and unlisted target companies, commercial due diligence, market scan, and M&A target screening and support.

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Company Name	Product Name	Product Description
iResearch	Retail/E-commerce	We provide data support and strategic consulting services to retail industry clients and help them to increase sales and sharpen their competitive edge. These clients include e-commerce companies (B2B, B2C), and traditional offline retailers
iResearch	Travel	Promote development of and research consulting solutions for the travel industry.
IT Finance	Charting solutions	Charting solutions can be integrated into existing trading platforms or displayed on your website.
IT Finance	Mobile solutions	Mobile charts make a great addition to any mobile trading platform. They can also provide a standalone mobile platform including lists, top movers & charts.
IT Finance	Trading platforms	The complete ITCharts Front-End workstation will let you access a wider user base and increase the number of orders placed by your users.
IT Finance	Ultra low latency datafeeds	A standardized market data service to feed your existing trading platforms and charting tools or to feed other types of solutions.
JustData	Data Service	Data is available on end of day, historical and corporate user.
JustData	Trading Software	EzyChart - Full-featured stock market charting software built for private investors & traders wanting to chart at home or on the go. EzyAnalyser - EzyAnalyser offers extensive reporting of your results so you get the feedback you need to improve your techniques and strategies.
Knoema	INDUSTRY DATA BRIEFS	Curated by Knoema's data analysts to deliver leading short-term and long-term indicators and forecasts from trusted sources for each of the covered industries. We've hand selected the most relevant, up-to-date, and in-demand datasets from our collection to support your work.
Knoema	World Data Atlas	World and regional statistics, national data, maps, rankings.
Landsat	Landsat on AWS	The Landsat program is a joint effort of the U.S. Geological Survey and NASA. First launched in 1972, the Landsat series of satellites has produced the longest, continuous record of Earth's land surface as seen from space. NASA is in charge of developing remote-sensing instruments and spacecraft, launching the satellites, and validating their performance.
LexisNexis	Banko	Banko® helps you automatically discover, monitor, and manage changes in bankruptcy case information. It searches comprehensive nationwide bankruptcy databases to quickly identify new filings, as well as recently deceased individuals.
LexisNexis	FICO® Score XD	FICO® Score XD — developed by LexisNexis in partnership with FICO and Equifax and based on Equifax, LexisNexis, and NCTUE data — leverages alternative data sources to assess credit worthiness among traditionally unscorable populations.
LexisNexis	FraudPoint	LexisNexis® FraudPoint® solutions detects fraudulent applications by using advanced analytics that leverage comprehensive and dynamic identity and digital intelligence. Data is updated continuously, giving you the opportunity to get ahead of fraudsters.
Liquidnet	Equity trading solutions	Liquidnet offers a range of execution solutions, workflows, and liquidity-sourcing techniques that are customizable per trader, order, and market condition.
Liquidnet	Fixed income solution	Liquidnet fights fragmentation by aggregating corporate bond liquidity on an all-to-all bond-trading venue designed to protect order information and prioritize size.
Liquidnet	Investment professionals analytics	Liquidnet fuels investment decision-making in real time.
Lota Data	CityDash.ai	CityDash AI is an essential service for agencies that are responsible for economic development, urban planning, mobility, transportation, smart assets, public safety, law enforcement, 311 customer service, parks, recreation programs, and city events.
Lota Data	GeoDash.ai	GeoDash AI analyzes the raw data exhaust from mobile apps, infers movement patterns, constructs profiles and cohorts based on real-world behaviors, without accessing any personally identifiable information about the consumer user.
Lota Data	GeoX.ai	GeoX AI analyzes anonymized data from +350 million mobile devices and +40 billion weekly data points to

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Company Name	Product Name	Product Description
		infer real-world behaviors and visits to places, brands and businesses, without accessing any personally identifiable information
Markit Securities Finance Hosted Risk Services		IHS Markit offers a hosted, post-trade risk calculation service that provides the buyside an accurate view of market risk exposures across their portfolios, in addition to the standard sensitivity measures provided with each mark-to-market valuation.
Markit Securities Finance	Investment Research: Evaluation Solutions	A platform for asset managers to conduct a formal evaluation process, track and rate interactions, produce budgets as well as manage analytics and distribute feedback to your research providers. Asset managers may also utilize the system to conduct a qualitative assessment of the trading operations provided by the execution counterparties, producing a "360 degree" evaluation of counterparties who provide both trade execution and investment research services.
Markit Securities Finance	Trading Analytics	Transaction Cost Analysis (TCA) is an independent global analysis platform that combines execution, algorithmic, venue and smart order router evaluation analytics. This service provides actionable insight to brokers and asset managers to enhance and synchronize their trading related execution quality management, compliance and management reporting capabilities
MasterCard Advisors	Acquirer Intelligence Center (AIC)	Deep-dive insights on portfolio performance across volume, fraud, and authorization, compared to custom benchmarks
MasterCard Advisors	Advanced Investment Management (AIM)	Maximize the long-term value of acquisition, engagement, and retention campaigns with analytics software that rapidly builds forecasts and recommends optimal campaign investments
MasterCard Advisors	Mastercard Intelligence Center (MIC)	Deep-dive insights on portfolio performance across spend, fraud, authorization, and interchange compared to custom benchmarks
MasterCard Advisors	Small Business Decision Enhancer (SBDE)	Aggregated and anonymized transaction-based insights on a merchant's sales, customer segment behavior and overall trends to inform credit decisions
Meltwater	Intelligence	Understand the realtime ebb and flow of your competitive landscape to flag opportunities and anticipate future threats to stay ahead of the competition.
Meltwater	Marketing	Understand your brand through the eyes of your target audiences across the world. From large online publications to niche forums, identify how others perceive your brand.
Meltwater	PR & Communications	Measure what has been unmeasurable. With the largest global media database, ensure you've found all your media mentions. And with intuitive dashboards and one-click reports, you easily demonstrate campaign performance and ROI.
Metrcle	Contextual Sentiment API	Contextual Sentiment API allows advanced traders and quants to run their own proprietary models on top of the companies models, allowing them to derive results analogous to the above.
Metrcle	Stockmeme	Top trending financial information from the best sources on the internet. Using Metrcle's VIP users and exponential decay algorithm, we make sure that only the best content is being updated at your fingertips.
Metro Study	Builders & Developers	Metrostudy delivers exclusive, proprietary business intelligence that helps you make critical decisions with confidence.
Metro Study	Financial Institutions	Metrostudy maintains strong relationships in the industry to collect the best market intelligence. We are in the offices of builders and their financiers regularly, from local division offices to the executive suites. Our "on the ground" research in the field, coupled with our local market experts allows us to understand the market better than anyone else.
Metro Study	Retail	Leading retailers depend on Metrostudy to deliver the most complete and accurate information and analysis on housing activity in their markets and to provide detailed household growth and population projections by consumer segment to make investment decisions with confidence
MIDI Research	Research and Data Platform	MIDI Research's research and data platform is the end-to-end intelligence solution for any company that operates in the digital content marketplaces.
MKT Mediastat	Earnings prediction technology	Extract information correlated with consumption activity to predict equity returns for retailers.

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Company Name	Product Name	Product Description
MKT Mediastat	Media Confidence Index	A unique perspective on the state of the economy and financial markets as perceived by media coverage.
MKT Mediastat	Media Derived Indicators	Four media based indicators extracted through proprietary systems from thousands of sources
Moody's Analytics	Data Visualization	Moody's Analytics offers comprehensive solutions that deliver powerful business, management, and regulatory insight for institutions.
Moody's Analytics	Economic Data	Moody's Analytics provides comprehensive economic data and forecasts at the global, national, and regional levels to meet the diverse information, planning, and risk management needs of financial institutions, governments, investors, and other businesses globally.
Moody's Analytics	Financial Data	Moody's Analytics extensive financial data services allow professionals to perform forward-looking assessments of market opportunities and compare entities across systems.
Moody's Analytics	Performance Data	The performance data in Moody's Analytics offerings enable professionals to assess risk and opportunities based on historical and expected conditions.
Moody's Data Alliance	Data Alliance	Data Alliance is a collaborative effort of leading financial institutions and Moody's Analytics to create the world's largest collection of private credit risk data.
MorningStar	Morningstar Data	Global equity, managed investments, and market data from all major global exchanges with flexible distribution options.
MorningStar	Morningstar Indexes	Indexes for benchmarking and building products, developed with our research and providing exposure across asset classes.
MorningStar	Morningstar Research	Gain access to fundamental analyst research evaluating 1,500 companies, plus the forward-looking quantitative ratings we generate on more than 50,000 stocks.
Narrative.io	Acquire	Access instant supply for data on your own terms.
Narrative.io	Distribute	Access instant demand for data on your own terms.
Neudata	neudata scout	Relevant, illuminating alternative data to give you the edge.
Newscred	Content Marketing	NewsCred's analytics suite provides all the information you need to optimize your strategy. Our comprehensive dashboards give you the pulse of your content's performance while surfacing actionable next steps for generating increased engagement, conversions, and ROI.
Newscred	Integrated Marketing	NewsCred brings together marketing teams, elevating their work with global integrated campaign planning, local management, collaborative multi-format content creation, and advanced reporting.
Newswhip	Content Intelligence for Brands	Predict which stories and events will impact your brand & audience.
Newswhip	Media Solutions	Discover the events and moments your audience cares about within minutes. See how others are covering breaking news and identify ways to differentiate your content.
Newswhip	Predictive PR	Get alerted to the news that is important to you with NewsWhip's real-time Predictive Alerts.
NPD	Analytic Solutions	A suite of products for measuring and predicting consumer demand; also business improvement.
Omega Point: a PM platform with AI intelligence	AI-Based Insights	Our deep learning techniques infuse market trends into your existing strategy to create personalized market aware strategies that preserve your underlying thesis.
Omega Point: a PM platform with AI intelligence	Market Aware Indices	A new class of adaptive passive & adaptive active strategies is now enabled by Omega Point's AI-based Market Aware™ engine, which codifies the evolving relationship between risk factors and global securities.
Omney Data	Specialty Retail Tracking Data	Three weekly time series data that track components of pricing and promotional activity of speciality apparel retailers.
One Click Retail	Amazon Dashboard	It offers unmatched Amazon market share data to measure category share, identify sales trends and analyze category strengths/weakness.

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Company Name	Product Name	Product Description
OPPNADATA	Open Data	The public sector produces large amounts of data from all sectors of society, such as geography, meteorology, economics, traffic, tourism, forestry, agriculture and science.
Optimum Complexity	Proprietary algorithm	Optimum's proprietary algorithm extracts all linear and non-linear relationships between the components of a system. It requires no models and accounts for the nonlinearities and dispersion of data using entropy concepts, not standard deviations.
Oregon state data (U.S.)	Data Catalog	a complete list of items, typically one in alphabetical or other systematic order.
Oregon state data (U.S.)	Develop Resources	Under SODA API, you will find the link for the API Endpoint as well as each column id for that dataset
Oregon state data (U.S.)	Oregon Geospatial Data	The Geospatial Enterprise Office (GEO) coordinates with government agencies to develop and manage geographic information.
Oregon state data (U.S.)	Public Meeting Calendar	The 2011 Oregon Legislature passed House Bill 2788, requiring State Agencies, Boards, Commissions, and Education Service Districts (ESDs) to "...post on the Oregon Transparency website notices of public meetings required to be provided by the state agency under ORS 192.640."
Panjiva	Global Trade Intelligence Platform	Grow your market share, reduce costs in your supply chain, generate business intelligence, and save valuable time. Whatever your goals, our web-based platform is designed to provide solutions.
Panjiva	Technology	At Panjiva, we're using artificial intelligence and advanced data engineering to turn global trade data into information that helps everyone - consumers, governments, and businesses of all sizes.
Predata	Predata platform	The Predata platform uses anonymized online metadata and machine learning to predict geopolitical, security and market-moving events.
Pro Publica	ProPublicaDatastore	The ProPublica Data Store gives you access to the data behind our reporting and helps to sustain the challenging, expensive work of investigative reporting. We provide free access to the raw data behind our work, as well as premium data products and custom data services. These and other initiatives support ProPublica's mission of investigative journalism in the public interest.
Prosper Insights & Analytics	Custom InsightCenter	An advanced platform for the visualization, customization, and delivery of key insights and analytics through a web browser or mobile device
QL2	RivalMatch	A complete view of the retail and hotel markets via automatic and efficient product and merchant matching
QL2	RivalWatch Analytics	Insights and analytics based on up-to-date data and industry trends
Quandl	Alternative Data	Quandl bring undiscovered data from non-traditional publishers to investors seeking unique, predictive insights. We leverage exclusive relationships to deliver these alpha-generating datasets to our customers.
Quandl	Core Financial Data	Quandl delivers market data from hundreds of sources via API, or directly into Python, R, Excel and many other tools. Save time and money by getting the data you need in the format you want.
Quexopa	Managed Data Sets	A proprietary approach to meticulously track impactful economic indicators for sector specific goods and services
RCMD	Variable Search	Users can perform variable level searches across studies in order to compare the answers to similar questions.
Research Data Australia	Grants	Research Data Australia aggregates research grant information supplied by some funders and research project information supplied by some of our research institutions.
Research Data Australia	Open Data	Within Research Data Australia, you can find data that is readily accessible and reusable.
Research Data Australia	Services and Tools	Descriptions of services are included in Research Data Australia to provide additional context for the data and alternative discovery pathways. The service descriptions featured here include simulators, instruments and visualisation software and other reporting, analysis and generation tools.
Reveal Mobile	Visit Data	Customizable location-data solutions for enterprise products and analytics platforms.
Reveal Mobile	Visit Local	Foot traffic attribution, location-based analytics, and powerful audience building.
Reveal Mobile	Visit Match	Instant Audience Scale For Your Locations, Analytics & Products.

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Company Name	Product Name	Product Description
RS Metrics	GREAT (Global real-time monitoring and alert system)	GREAT is a customer dashboard and alert system that is custom made for each organization to meet their specific needs. GREAT provides not just measurements, but also real-time alerts. Our platform can track and measure activity and change at thousands of locations such as factories, retail sites, mines, and critical infrastructure. Using our AI platform trained with more than 6 years of historical data, GREAT can be used to monitor supply chain, productivity, and competition.
RunningAlpha	Capital Market Trends	A premium alpha idea discovery platform for showcasing highly scalable and actionable investment and trading opportunities
RunningAlpha	Focus 15	Running Alpha's top 15 focused symbols with time-relevant sentiment trends and future performance indications.
RunningAlpha	Grid 100	Access industry groups of interest and anticipate sentiment performance trends like an insider
RVIA	Reports & Trends	Research, data, and analysis about the RV industry, the RV market, and RV users
S&P Global	Crisil	CRISIL, a global analytical company, is India's leading credit rating agency, largest independent integrated research house and foremost provider of data, analytics and solutions.
S&P Global	S&P Dow Jones Indices	S&P Dow Jones Indices provides the latest tools and solutions to stay at the forefront of index investing. Our data & perspectives are intrinsic to how investment intelligence is applied.
S&P Global	S&P Global Market Intelligence	S&P Global Market Intelligence provides expansive coverage with deep, relevant sector-specific analysis. Web-based tools help users find actionable quality insights, anywhere in the world.
S&P Global	S&P Global Platts	S&P Global Platts daily price assessments and deep supply chain analysis provide an integrated worldview of commodities that gives customers confidence to act with conviction even in volatile markets.
S&P Global	S&P Global Ratings	S&P Global Ratings provides detailed analysis and assessments of creditworthiness, offering essential data points when planning acquisitions or other strategic initiatives.
Safegraph	Safegraph Data Bar	Accurate Points-of-Interest (POI) data, business listings, & store visitor insights data for commercial places.
Semlab	Anonymization	Anonymization – automated personal information removal. Semlab Anonymization is proprietary AI-driven software for removing sensitive personal data from documents in all major European languages.
Semlab	DocChain	a novel way to incorporate smart agents into the block, and empowering them with conditional abilities to update stored content, may well solve this challenge. This would lead to a realm of novel applications for our target markets in financial-, health- and legal service industry.
Semlab	Equity event tweets	SemLab's equity event tweets are a simple way to evaluate our semantic processing platform. These tweets are generated by our ViewerPro platform using our default ontology and public finance news.
Semlab	MyHealth	Personal health data is now available in abundance with the maturity of wearable sensors and the new EU food labeling regulation 1169/2011. To ensure privacy, this project uses encrypted data and automatic health agents. The main deliverable is an application in which the agents monitor live personal data to identify health risks and prompt the users to take corrective action when required.
Semlab	ViewerPro - Semantic Analysis	ViewerPro is the trade name of our powerful in-house developed semantic text processing platform. The core functionality of this platform is to link to one or more text sources as input, to process the input according to an ontology and to output the resulting events in a predetermined format.
Sensor Tower	Ad Intelligence	Advertising insights driven by hundreds of millions of mobile ad impressions from all major ad networks
Sensor Tower	App Intelligence	Monitor all aspects of your app's global storefront; track, test, and optimize keyword strategy.
Sensor Tower	Store Intelligence	Store Intelligence offers unparalleled web-based analysis of downloads and revenue estimates for millions of apps.
Sequentum	CG Enterprise	A large-scale and reliable web data extraction solution with full control & customization.
Sequentum	Data Extraction Services	A completely outsourced and premium web data extraction service for Enterprises.
Sharablee	Affinity	Gain deep audience insights, including demographic, behavioral, and psychographic data to better target your

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Company Name	Product Name	Product Description
		audience.
Sharablee	Partnership Explorer	Identify the right creator and publisher partners for your campaign, to ensure maximum reach and media efficiency
Sharablee	Verify	The objective, definitive social Influencer search.
Short Trends Data	Short Selling Data and Analytics	The company aggregates all short sales that are executed in the United States and provide ways for interested parties to quickly and easily interpret them.
Signal.co	Customer Identity Platform	Signal's Customer Identity Platform instantaneously integrates your customer data from across the enterprise
Skydeo	Alternative Data	Skydeo provides alternative data for select investment research companies and hedge funds for long/short analysis and overall market insights
Skydeo	Auto Advertising & Analytics	Skydeo's mobile audience data is perfect for auto makers, auto dealers and their agencies to better understand their customers mobile behaviors.
Skydeo	Enrich Customer Profiles	Skydeo's unique perspective on the mobile ecosystem enables us to provide rich customer attributes like apps, locations, lifestyle, gender, demographics, interests and intent. We can append your CRM or CDP via direct integration or provide custom reporting to our mobile audience platform.
Skydeo	Media Planning	Skydeo enables brands, agencies and media planners to build highly scalable media plans based on deterministic mobile data. Skydeo's tremendous scale of mobile app owners, place based audiences and demographic information like age, gender, income, net worth and auto/home ownership information drives a machine learning approach to media planning for the highest performance.
SmarterWorks	IT Consulting and Business Services	Reading based company providing IT Consulting and Business Services.
Standard Media Index	Advertising Spend Data	SMI accesses actual invoices from the world's largest media buying groups, as well as leading independents, and then organizes that data to create a clear, granular, and easy-to-use database for our clients and agency partners.
Statista	Business Plan Export	The Business Plan Export helps you to model markets.
Statista	Consumer Market Outlook	Aggregated data about Consumer Goods.
Statista	Country Outlook	The Country Outlook provides current key figures and forecasts on the economic and social development of a country. The key figures are based on extensive analyses and research on society and the economy.
Statista	Digital Market Outlook	The Digital Market Outlook presents up-to-date figures on markets of the digital economy. The comparable key figures are based on extensive analyses of relevant indicators from the areas of society, economy, and technology.
Statista	Mobility markets	The Mobility Market Outlook presents the key figures from the world of automotive and mobility – sales, revenues, prices, and brands.
Thomson Reuters	AI predictions	To move beyond the hype and look to the immediate future, 10 Thomson Reuters technologists and innovators make their AI predictions for the year ahead.
Thomson Reuters	Reuters Connect	Reuters Connect is the faster, more intelligent way of sourcing videos, pictures, and text, instantly. It's the unrivaled global marketplace that the world's leading editors, producers, and publishers turn to for unlimited access to high-quality coverage.
Thomson Reuters	Reuters Graphics	Reuters Graphics illustrates news events and issues in striking and informative infographics.
Tigergraph	GraphStudio	A simple yet powerful graphical user interface which integrates all the phases of graph data analytics
Tigergraph	TigerGraph DB	A complete, distributed, parallel graph computing platform supporting web-scale data analytics in real-time.
Tipranks	Tipranks	TipRanks is a comprehensive investing tool that allows private investors and day traders to see the measured performance of anyone who provides financial advice.

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Company Name	Product Name	Product Description
TVEyes	TVEyes Page Feed	By combining raw transcripts and broadcast metadata from TVEyes Page Feed with internal or external data, PR and marketing professionals can gain a better understanding of how their campaigns are performing.
TVEyes	TVEyes Partner Program	The TVEyes Partner Program offers media monitoring, independent software vendors, value-added resellers and associations the opportunity to join with us and become strategic partners
TXN	TXN Web Application	TXN is a web application for consumer spending analytics, competitive intelligence and surveys. We capture transactions directly from credit and debit cards provided by consumers who join our research panel.
Uber Media	Mobile Location Data	UberMedia®'s mobile location data is aggregated from a variety of high quality sources, including first party data from UberMedia's own apps, location SDKs, and mobile advertising SDKs.
Uber Media	The Vista Platform	A contextualized multi-source mobile dataset with unprecedented accuracy and scale. Providing businesses of all sizes the ability to gain value from mobile data without any additional processing to prepare, combine, or clean data for specific modeling or business intelligence purposes.
Unmetric	Analyze Branded Content	Mines intelligence on social media outliers and detect social media content that stands out in terms of likes, comments, shares, and filters the results further based on outlier types, groups, and networks.
Unmetric	Discover Branded Content	Think out of the box with Xia, our AI, who helps you discover anything a brand has ever said about any topic by searching through more than 1 Billion items of branded content published by over 100,000 major brands over the last 5 years.
Unmetric	Track Branded Content	All the insights and data you need about your competition from Facebook, Twitter, Instagram, and YouTube.
Urthecast	Diverse data offerings	Earth imagery and video at multiple resolutions to help solve your complex problems.
Urthecast	OptiSAR	OptiSAR™ is designed to be the world's first fully-integrated, multispectral optical and Synthetic Aperture Radar (SAR) constellation of Earth Observation satellites. Providing unprecedented capabilities, OptiSAR™ is aimed at solving real-world problems and creating tools for world change.
Urthecast	UrtheDaily	UrtheDaily™ is a planned global coverage constellation aiming to acquire high-quality, multispectral imagery, at 5-m GSD, taken at the same time, from the same altitude every day.
US Gov. Data	MARITIME	Discover datasets for marine transportation, a critical part of our transportation system used for domestic and international trade, national security, research, and recreation.
US Gov. Data	SCIENCE & RESEARCH	Discover high-value public science and research data from across the Federal Government.
Vestdata	Accipio	Financial data for use in self managed or portfolio management platforms.
VisualDNA	Marketing Services	VisualDNA profiles people using engaging visual personality quizzes which drill into the deep-lying attitudes, values, actions and behaviours that make us unique human beings.
WDZJ.com	Platform Data	Provides daily data on various Chinese P2P companies, including Yirendai (YRD), PPDF, Rapid Finance.
Webhose.io	Blog Search API	Webhose's blog data feed extracts raw data into structured, machine readable data in either JSON or XML formats from millions of blog.
Webhose.io	Dark Web Data Feed at Scale	Use Webhose cyber data feeds to monitor and respond to sensitive information leaked or abused, scan for non-public information (NPI), personal identification (PII) or any other sensitive information published on the dark web.
Webhose.io	News API Data Feeds	Direct Access to Live Data from Global Online News Sites in One Place.
Webhose.io	Online Discussions Data Feed	Webhose's online discussion data feed delivers comprehensive coverage from millions of online discussions across message boards, review sites, and forums in JSON or XML formats
Webhose.io	Online Reviews API	Find out exactly what customers are saying about your products, understand their sentiment and gain insights into your business with online reviews crawled from over 75 million sites, available in JSON and XML formats.
<u>Error! Hyperlink reference not valid.</u>	The WRDS Cloud	WRDS also provides a high performance computing cluster we call the WRDS Cloud. This system gives you command-line access to a powerful research computing system that provides direct access to all of our data, and includes support for many powerful research programming languages.

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Company Name	Product Name	Product Description
Wind	Wind Data Service	As the leading financial data provider in China, we equip investment professionals with accurate and complete data on stocks, bonds, funds, derivatives, indices, and the macroeconomy. Additionally, our experienced support staff provides clients with context and interpretations of the data necessary for developing alpha-generating signals.
Wind	Wind Economic Database	The Wind Economic Database pairs over 1.3 million macroeconomic and industry time series with powerful graphics and data analysis tools to give financial professionals the most comprehensive insights into China's economy.
Wind	Wind Financial Terminal	The Wind Financial Terminal provides investment professionals with the data and insights they need to understand China's complex capital markets and economy. The terminal integrates the most comprehensive and accurate market data, fundamental data, research, news, and analytics tools across all asset classes in China.
Wiser Solutions	Pricing Intelligence	Manage your relative price position, increase revenue, and anticipate marginal pressures with holistic insight into the competitive marketplace
Wiser Solutions	Retail Auditing	Identify opportunities to recapture lost revenue through crowdsourced brick-and-mortar data collection
Wolfe Research.ai	Wolfe Research	Senior analysts have the advantages of larger support teams and fewer distractions than the rest of the Street. This allows our analysts to use their unique insights, historical knowledge of their sector through multiple cycles, methodologies, contacts, and survey work to consistently provide a differentiated and objective perspective, often in sharp contrast to Consensus views.

Alternative Data Directory – Products by Asset Class and Region

Product Features

Equity

Equity/Global

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Accern	Automate intelligent follow-ups	Real Time	-	-	-
Accern	CMS NLP Content Integration	Real Time	API	-	-
Accern	XYME	-	-	-	-
Acuris	Equities	-	-	-	-
Acuris	Fixed Income	-	Dashboard, Download	-	-
Acuris	Transactions	-	Dashboard, Download	-	-
AddThis	Follow Buttons	-	API	-	Data from Individual Activity
AddThis	Link Promotion	-	API	-	Data from Individual Activity
AddThis	List Building	-	API	-	Data from Individual Activity
AddThis	Share Buttons	-	API	-	Data from Individual Activity
AddThis	Tip Jar	-	API	-	Data from Individual Activity
Advan Research Corporation, LLC	Foot traffic data and Weather data	Daily	Dedicated data-feed, API, Online visuals/reports, Excel API	csv, json	Geo-location, Weather
AggData	AggData Bundles	-	API	-	-
AggData	Custom Data	-	API	-	-
AggData	Datasets	-	API	CSV	-
AggData	Free Dataset Directory	-	API	-	-
AggData	Store Closings	-	API	CSV	-
Alexa (Internets traffic company)	Audience Overlap	-	API, Dashboard	CSV	Web Searches
Alexa (Internets traffic company)	Find Similar Sites	-	API, Dashboard	-	Web Searches
Alexa (Internets traffic company)	Site Comparisons	-	API, Dashboard	CSV	Web Searches
Alexa (Internets traffic company)	Top 500 sites	Monthly	API, Dashboard	-	Web Searches
Alexa (Internets traffic company)	Website Traffic Statistics	Real Time	API, Dashboard	-	Web Searches
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV,TSV,JSON,Streaming	News
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	These Flags will occur whenever there is an anticipation of major market movements, 'typical' frequency would	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming and other options	Input data is obtained from the exchange limit order books (the entire exchange stack and depths)

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
		be 3 to 8 directional Flags per month.			
AlphaLetters	AlphaLetters, AlphaData	Monthly	Email	-	Expert knowledge
Alphamatician	Data Feeds	-	API	JSON, CSV	-
Alphamatician	Government Data	-	API	-	Government Websites and Sources
Alphamatician	Hiring & Employment Dataset	-	API	-	More than 12,000 public companies and thousands of private companies globally
Alphamatician	Social Media Dataset	-	API	-	Social Media
Alphamatician	Web Interface	-	Download	XLS	-
Alphasense	Company Disclosures	-	API	-	News
Alphasense	Dow Jones News & LexisNexis News & Journals	Real Time	API	-	News
Alphasense	Sell-side Research	Real Time	API	-	-
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge	
App Annie	App Annie	-	API	-	App Data
Audit Analytics	Accounting + Oversight	-	API	-	SEC
Audit Analytics	Audit + Compliance Data	-	API	-	SEC
Audit Analytics	Corporate + Legal	-	API	-	SEC
Audit Analytics	Data Feeds	-	API	-	SEC
AYLIEN Limited	News API	Minute	API	JSON, XML	Web scraping, Event detection, News, Sentiment
Bitly	Branded Links	-	API	-	-
Bitly	Campaign Management & Analytics	-	Dashboard	-	-
Bitly	Link shortening	-	API	-	-
Bitly	Mobile Links	-	API	-	-
BMLL Technologies Limited	BMLL Platform	Tick	API, Online visuals/reports	All. The platform interface is Python Jupyter Labs	Exchanges and other matching engines
BrandWatch	Audiences	-	API	-	-
BrandWatch	CONSUMER RESEARCH	-	API	-	-
CargoMetrics	Global Cargo System	-	-	-	-

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Data Provider	BRAND MONITOR	-	Dashboard	-	-
Data Provider	DOMAIN MONITOR	-	Dashboard	-	-
Data Provider	Private Crawl	-	Dashboard	CSV, PDF	-
Data Provider	Public Data	-	Dashboard	-	-
Dataminr	Dataminr for Finance	-	Email, API, Dashboard platform	-	Social media
DataPulse LLC	Internet infrastructure data	Hourly	Dedicated data-feed, API, Online visuals/reports, S3	CSV	Global sensor network that consists of multiple sources
Edgar Online	Data Content Solutions	-	API	CSV, FTP	SEC, Financial & Regulatory Filings
Edgar Online	Data Factory	-	API	-	OTC Reported Financials
Edgar Online	DataFied API	-	API	JSON, XML	-
Edgar Online	EDGAR®Pro	-	API	-	SEC Filings
Edgar Online	I-Metrix™	-	API, Dashboard	-	SEC
ENGAGE Research	Executive Search	-	API	-	-
ENGAGE Research	TALENT INSIGHTS	-	API	-	-
Equity Data Science	EDS Analytics Platform	Hourly	Email, Online visuals/reports	SFTP, HTTPS:// Over API, CSV, TXT	The EDS Analytics Platform supports all data types (internal, market, external)
ExtractAlpha	Digital Revenue Signal	Daily	Dedicated data-feed	CSV	Social Media, Web search and web traffic
ExtractAlpha	Tactical Model	Daily	Dedicated data-feed, Online visuals/reports	CSV	Market and fundamental data
FactSet Revere	RBICS – Extended Universe	-	API	-	-
FactSet Revere	RBICS – Focus	-	API	-	-
FactSet Revere	RBICS – Revenue	-	API	-	-
FactSet Revere	RBICS – Tradenames	-	API	-	-
Factual	Places	Tick	Agreed delivery mechanism such as Amazon s3 bucket	.tsv file - Tab separated values	Web (digital signals); Partners; Human annotations
Foursquare Pinpoint	Attribution	-	Reports	-	-
Foursquare Pinpoint	Pilgrim SDK	Real Time	API	-	-
Foursquare Pinpoint	Pinpoint	Real Time	API	-	-
Foursquare Pinpoint	Places	Real Time	API	-	-
Foursquare Pinpoint	Visit	-	API	-	-
GDELT Project	Documentation	Daily	API, Blog	CSV	GDELT Event Database, GDELT Global Knowledge Graph (GKG), GDELT Visual GKG, GDELT GKG Special Collections

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
GDELT Project	GDELT Analysis Service	Real Time	API	CSV	GDELT Event Database, GDELT Global Knowledge Graph
GDELT Project	Google BigQuery	Real Time	API	-	GDELT datasets
GDELT Project	Raw Data Files	Daily	API	CSV	GDELT Event Database, GDELT Global Knowledge Graph (GKG)
GeoWiki	Land cover validation	-	API	Metadata	-
GNIP	Ads API	Real Time	API	-	Social Media
GNIP	Data products - APIs	Real Time	API	JSON	Social Media
GNIP	MoPub	Real Time	API	-	Social Media
Grandata	Social Universe	-	API	-	-
Heckyl	FIND DeepSearch	-	API	-	-
Heckyl	FIND News Analytics	Real Time	API	-	News, Social Media
Heckyl	FIND Price Analytics	-	API, Dashboard	-	-
Here	HERE Automotive	Real Time	API	-	-
Here	HERE Location Services	-	API	-	-
Here	HERE Map Content	Real Time	API	-	-
Here	HERE Traffic	Real Time	API	-	-
Here	Tracking & Positioning	Real Time	API	-	-
Inferess	Global Economic Map	-	API	-	Regulatory disclosures and Financial news
Inferess	Inferess Quantified News	Real Time	SFTP, API or realtime feed	-	-
Informa Financial Intelligence	EPFR	Daily, Weekly, Monthly	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution	CSV, TXT, HTML, XLS	Business Transactions, Custodians and Administrators
Irisys	Estate Manager	Real Time	API	-	-
Irisys	Gazelle 2 Thermal People Counter	Real Time	API	-	-
Irisys	In-store Retail Analytics	Real Time	API	-	-
Irisys	Vector 4D People Counter	Real Time	API	-	-
ISS Analytics	ISS Analytics	-	ISS DataDesk, Datafeeds	-	-
Jettrack.io	JetTrack	Real time	API	MULTIPLE	-
ktMINE	ktMINE Agreements App	-	Dashboard, API	-	-
ktMINE	ktMINE Commercialization App	-	Dashboard, API	-	Securities and Exchange Commission, USPTO, hundreds of news sources, as well as Freedom of Information Act requests

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
ktMINE	ktMINE Patents App	-	Dashboard, API	-	Repository of over 102,000,000 patents, connected licensing data
ktMINE	ktMINE Profiles App	-	API	-	-
ktMINE	ktMINE Royalty Rates App	-	Dashboard, API	-	Repository of over 60,000 disclosed royalty rates
Lexalytics	Lexalytics Intelligence Platform	-	-	-	-
Lexalytics	Salience	-	-	-	-
Lexalytics	Semantria API	-	API	-	-
LikeFolio	Coverage List	-	API	-	Reports
LikeFolio	Daily Stock Bits	Daily	API	-	Social Media
LikeFolio	Insights Blog	-	API	-	Social Media
LikeFolio	Knowledge Base	-	API	-	Social Media
Lucena Research	Data Analytics Suite	-	API	Reports	-
Lucena Research	Model Portfolios	-	API	-	QuantDesk® Price Forecaster and Event Analyzer
Lucena Research	QuantDesk®	-	API	-	-
Lucena Research	Quant-For-Hire	-	API	-	-
Lucena Research	Smart Data Feeds	Daily	API	Data Feed	-
MarketPsych Data	MarketPsych Fundamental Sentiment indexes	Daily	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, JSON	Web scraping, News, Sentiment, ESG, Social Media
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp, AWS S3	CSV, JSON	Web scraping, Event detection, News, Sentiment, Social Media, Macro
MatterMark	Lead Enrichment	-	API	-	-
MatterMark	List Building	-	API	-	-
OpenstreetMap	Public GPS traces	Real Time	API	GPX	Mappers
Percolata	Cloud-based Forecasting	-	API	-	-
Percolata	Corporate Analytics Dashboard	Real Time	API, Dashboard	-	-
Percolata	Employee Availability App	Real Time	API	-	-
Percolata	Mobile-First Solution	Real Time	API	-	-
Percolata	Traffic Sensors	Real Time	Sensors	-	-
Placed	APP MONETIZATION	-	API	-	-
Placed	MOBILE TARGETING	-	API	-	-

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Placed	Placed Attribution	-	API	-	-
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
PriceStats (Billion Prices Project)	INFLATION SERIES	Daily	API	-	Retailers
PriceStats (Billion Prices Project)	PPP SERIES	Daily	API	-	Online Retailers
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Business Transactions, Expert knowledge
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	Daily	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution, API access will be available Q3 2019	CSV, XLS	Web scraping, Event detection, News, ESG, Social Media
Reputate	Deep Search	-	API	HTTP	-
Reputate	Excel Upload	-	Email	-	-
Reputate	Reputate Server	-	Server	-	-
Reputate	Text analytics	-	API	-	-
Reputation Refinery	Google Reputation Repair Services	Real Time	API	-	Social Media
Reputation Refinery	Online Reputation Audit & Action Plan	-	Report	-	Expert Knowledge
Reputation Refinery	Online Reputation Management	-	Report	-	Expert Knowledge
Return Path	AppBuddy	-	API	-	-
Return Path	BriteVerify	Real Time	API	-	-
Return Path	Demand Tools	-	API	-	-
Return Path	DupeBlocker	Real Time	API	-	-
Return Path	PeopleImport	-	API	-	-
ScrapeHero	Data as a Service	Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports	CSV, JSON, XML, TXT, HTML, API	Web scraping, News, Sentiment, Ratings, Social Media
Scutify	Sentiment Rankings	Real Time	API	-	Social Media
Scutify	Trending Top 100	Real Time	API	-	Social Media

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Selerity	Real-time Event Data	-	API, Datafeed	JSON	-
Selerity	Selerity Context	Realtime	Application	-	-
Sentifi AG	Sentifi Data Analytics	Every 15min for sentiment and attention.	API, Desktop Application, and Widgets	CSV, JSON, XML, TXT, HTML, Streaming	Event detection, News, Sentiment, Social Media, Macro
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	Tick, Minute, Hourly, Daily, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, HTML, Streaming (Web Sockets)	News, Sentiment, ESG, Social Media
ShareThis	Email List Builder	Real Time	API	-	Social Media
ShareThis	GDPR Compliance Made Easy	Real Time	API	-	Social Media
ShareThis	Share Buttons	Real Time	API	-	Social Media
ShareThis	Social A/B	Real Time	API	-	Social Media
ShopperTrak	Professional Services	Real Time	API	-	-
ShopperTrak	ShopperTrak Academy	Real Time	API	-	-
ShopperTrak	Shopping Center Solutions	Real Time	API	-	-
Social Market Analytics	S-Factors™	Real Time	API	-	Social Media
SpaceNet on AWS	SpaceNet	-	-	-	Satellite
StockTwits	Stocktwits Daily Rip	Real Time	API	-	Social Media
SumZero, Inc.	SumZero Datafeed	Real Time	API, Data can also be delivered via AWS S3, 4x a day	CSV, JSON	News, Sentiment, Ratings, Social Media, Expert knowledge
Superfly insights	Superfly Technology	Real Time	API, SaaS Tools	-	Personal Data
TheySay	Evamind	Real Time	API	-	Social Media
TheySay	MoodRaker	Real Time	API	-	Social Media
TheySay	PreCieve API	Real Time	API	-	Social Media
Tick Data	Global Market Data	-	Hard drives, FTP, API, Streaming, Download	ASC	-
Tick Data	Reference Data	-	-	CSV, ASC	-
Tick Data	Targeted Data Solutions	-	API	Custom	-
TrustedInsight	Daily Digest	Real Time	Articles	-	News
Wall Street Horizon	Core Events Calendar	Second, Minute, Hourly	Dedicated data-feed	xml and ftp	Publicly available, primary sourced
Wall Street Horizon	EventBreaks	Second, Minute, Hourly	Dedicated data-feed, API	xml and ftp	Publicly available, primary sourced
Wall Street Horizon	Historical Archived Events Data	Datasets from 2006-present. Dates available vary per dataset - please contact us for details.	Dedicated data-feed	xml and ftp	Publicly available, primary sourced

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Wall Street Horizon	Investor Event Calendar	Hourly	Dedicated data-feed	xml and ftp	Publicly available, primary sourced
Wall Street Horizon	Wall Street Horizon Enchilada	-	API, GUI	-	Publicly available, primary sourced
Wikimapia	Mapping project	-	API	-	-
Woodseer / Investment Tools Ltd	Woodseer Dividend Forecast Data	Hourly, Daily	Dedicated data-feed, API, 3rd party distribution	FTP, HTTP, JSON, XLS, CSV	Business Transactions, Expert knowledge, Algorithm+analyst forecasting based on corporate actions historical data
World Bank	DataBank	-	API	CSV	Macro
World Bank	Microdata Library	-	API	CSV	Macro
World Bank	Open Data Catalog	-	API	CSV	Macro
World Bank	Open Finances	-	API	CSV	Macro
World Bank	World Development Indicators	-	API	CSV	Macro
Yodlee	AI FinCheck	Real Time	API	-	-
Yodlee	Conversational AI	Real Time	API	-	-
Yodlee	Data Analytics for Credit	Real Time	API	-	Transaction Data
Yodlee	Financial Data Aggregation	Real Time	API	-	-
Yodlee	Transaction Data Enrichment	Real Time	API, DaaS	-	Transaction Data

Equity/Global/Automotive

Company Name	Product Name	Frequency	Delivery	Format	Source
IHS Markit	Research Signals Automotive Factor Suite	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV 3rd party distribution		Event detection, News, Sentiment, Ratings, Business Transactions, Expert knowledge

Equity/Global/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
AllTheRooms	Alternative Accommodations Market Performance	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON, Batch 3rd party distribution		Web scraping, Event detection
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media
Orbital Insight	GO Consumer	-	Dedicated data-feed	-	Satellite data
Rakuten Intelligence	Hospitality and travel	-	API	-	-

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
Rakuten Intelligence	Retailers and brands	-	API	-	-
Re-analytics	Fashion Luxury GoodsFull Intelligence Platform Access	-	-	-	-
Re-analytics	Luxury good stocks	-	-	-	-
RetailNext	Aurora	Real Time	Sensors	-	-
RetailNext	In-Store Marketing	Real Time	API	-	-
RetailNext	Merchandising	Real Time	API	-	-
RetailNext	Retail Loss Prevention	Real Time	API	Video	-
RetailNext	Retail Operations	Real Time	API	-	-
Sandalwood Advisors Ltd	Exclusive Alternative Data	Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports	csv, xml	Web scraping, Social Media, Business Transactions, proprietary sourcing
ShopperTrak	Retail Analytics	Real Time	API	-	-
Vertical Knowledge	VK Data Subscriptions	Daily, Weekly, Monthly, Quarterly, Varies depending on specific data set.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	Formats: CSV, JSON, XLS, HTML, Tableau...Transfer: FTP, S3, API	Web scraping
YipitData	Brands in China	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Groupon (GRPN)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Intl Delivery: JE, DHER, TKWY, Deliveroo, UberEats	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	OTAs (BKNG, EXPE, Airbnb)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, clickstream; email receipts
YipitData	SEA Limited (SE)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, App Data
YipitData	Shopify (SHOP)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, licensed website data

Equity/Global/Consumer Staples

Company Name	Product Name	Frequency	Delivery	Format	Source
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media
Mavrx	Taranis	-	Dashboard platform	-	Aerial surveillance
Sandalwood Advisors Ltd	Exclusive Alternative Data	Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports	csv, xml	Web scraping, Social Media, Business Transactions, proprietary sourcing
Vertical Knowledge	VK Data Subscriptions	Daily, Weekly, Monthly,	Dedicated data-feed, API,	Formats: CSV, JSON,	Web scraping

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Consumer Staples

Company Name	Product Name	Frequency	Delivery	Format	Source
		Quarterly, Varies depending on specific data set.	Email, Online visuals/reports, 3rd party distribution	XLS, HTML, Tableau...Transfer: FTP, S3, API	
YipitData	Brands in China	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/Global/Energy

Company Name	Product Name	Frequency	Delivery	Format	Source
Acuris	Infrastructure	Realtime	-	-	-
CargoMetrics	TruFreight	-	-	-	-
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media
Orbital Insight	GO Energy	High frequency	Dedicated data-feed	-	Satellite data

Equity/Global/Financials

Company Name	Product Name	Frequency	Delivery	Format	Source
7Park	FINANCIAL SERVICES	Daily	Catalog, Dashboard	-	Transaction and natural language data
ENGAGE Research	Financial Services	-	API	-	-
FactSet	Open:FactSet Marketplace	Tick	API	-	-
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media
M&A Portal	zephyr	-	web	-	-
OTAS	Equity Analytics	-	-	-	-
Owl Analytics	ESG Data	-	-	-	-
Panvista Analytics	Data Analytics	-	-	-	-
Rakuten Intelligence	Investment professionals	-	API	-	-
Re-analytics	Private equity edition	-	-	-	-
Refinitiv	Eikon	Tick	APIC	-	-
Refinitiv	Fxall	-	-	-	-
Refinitiv	FXT	-	API	-	-
Sigmai	5 day movers map	-	web	-	-
Sigmai	Event trader	-	web	-	-
Sigmai	Intra-day grid	-	web	-	-
Sigmai	Multi/intra-day charts	-	web	-	-

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Health Care

Company Name	Product Name	Frequency	Delivery	Format	Source
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media

Equity/Global/Industrials

Company Name	Product Name	Frequency	Delivery	Format	Source
Acuris	Infrastructure	Realtime	-	-	-
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media
MariTrace	MariData	Data is available within minutes of the ship's entering or departing ports.	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT	Satellite and terrestrial collection of ship tracking (AIS) data
Rakuten Intelligence	Shipping, delivery, and logistics	-	API	-	-
RS Metrics	MetalSignals	Daily, Weekly, Monthly, Special projects can be tasked by clients.	Dedicated data-feed, API, Email, Online visuals/reports, - 3rd party distribution	-	AI-enhanced computer vision analysis of satellite imagery.
Sandalwood Advisors Ltd	Exclusive Alternative Data	Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports	csv, xml	Web scraping, Social Media, Business Transactions, proprietary sourcing

Equity/Global/Information Technology

Company Name	Product Name	Frequency	Delivery	Format	Source
DataPulse LLC	EMCPulse	Monthly	Email, Online visuals/reports, Various	TXT, CSV	Global sensor network that consists of multiple sources
ENGAGE Research	Technology and Engineering	Daily	API	-	-
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media
PROME	BASIC: SOFTWARE AUTOMATION	-	-	-	-
PROME	COMPLEX: GENERAL INTELLIGENCE	-	-	-	-
PROME	MID: NARROW INTELLIGENCE	-	-	-	-
SocialMediaAnalytics(SMA)	Processing	-	API	-	-
Stax	Data Analytics	-	-	-	-
Vertical Knowledge	VK Data Subscriptions	Daily, Weekly, Monthly, Quarterly, Varies	Dedicated data-feed, API, Email, Online visuals/reports	Formats: CSV, JSON, XLS, HTML,	Web scraping

Alternative Data Directory – Products by Asset Class and Region

Equity/Global/Information Technology

Company Name	Product Name	Frequency	Delivery	Format	Source
		depending on specific data set.	3rd party distribution	Tableau...Transfer: FTP, S3, API	
YipitData	Brands in China	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	OTAs (BKNG, EXPE, Airbnb)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, clickstream; email receipts
YipitData	SEA Limited (SE)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, App Data
YipitData	Shopify (SHOP)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, licensed website data

Equity/Global/Materials

Company Name	Product Name	Frequency	Delivery	Format	Source
RS Metrics	MetalSignals	Daily, Weekly, Monthly, Special projects can be tasked by clients.	Dedicated data-feed, API, Email, Online visuals/reports, - 3rd party distribution		AI-enhanced computer vision analysis of satellite imagery.

Equity/Global/Real Estate

Company Name	Product Name	Frequency	Delivery	Format	Source
AllTheRooms	Alternative Accommodations Market Performance	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON, Batch 3rd party distribution		Web scraping, Event detection
Vertical Knowledge	VK Data Subscriptions	Daily, Weekly, Monthly, Quarterly, Varies depending on specific data set.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	Formats: CSV, JSON, XLS, HTML, Tableau...Transfer: FTP, S3, API	Web scraping

Equity/Global/Telecoms

Company Name	Product Name	Frequency	Delivery	Format	Source
ListenFirst	ListenFirst Platform & Social Media Data	Minute, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, TXT, XLS, TSV	Sentiment, Ratings, Social Media

Alternative Data Directory – Products by Asset Class and Region

Equity/Asia

Equity/Asia/All

Company Name	Product Name	Frequency	Delivery	Format	Source
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Minute	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON,SFTP, FTP		Event detection, News, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
Thinknum, Inc.	Thinknum	Daily	API, Email, Online visuals/reports, Web UI	CSV, JSON	Web scraping

Equity/Asia/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
YipitData	Alibaba (BABA)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Apple	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, Business Transactions
YipitData	Bilibili (BILI)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	China Education (EDU & TAL)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	China Express Shipping (BTI, JD, ZTO)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	China Hotels (HTHT & GHG)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	China OTAs (CTRP & Meituan)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	China Video (MOMO, YY, HUYA, IQ, Tencent, Youku)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	JD.com (JD)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Mercari (TYO:4385)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Tencent Music (TME)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Vipshop Holdings (VIPS)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Alternative Data Directory – Products by Asset Class and Region

Equity/Asia/Consumer Staples

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
YipitData	Alibaba (BABA)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/Asia/Financials

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location

Equity/Asia/Health Care

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location

Equity/Asia/Industrials

Company Name	Product Name	Frequency	Delivery	Format	Source
YipitData	China Express Shipping (BSTI, JD, ZTO)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/Asia/Information Technology

Company Name	Product Name	Frequency	Delivery	Format	Source
YipitData	Alibaba (BABA)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Apple	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, Business Transactions
YipitData	China Education (EDU & TAL)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Mercari (TYO:4385)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Tencent Music (TME)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Alternative Data Directory – Products by Asset Class and Region

Equity/Asia/Real Estate

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location

Equity/Asia/Telecoms

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location

Equity/US

Equity/US/All

Company Name	Product Name	Frequency	Delivery	Format	Source
AAER dataset	Accounting and Auditing Enforcement Releases	-	API	PDF	SEC
AirSage	Market Research	Real Time	API	-	Mobile signals, GPS and other location data
AirSage	Population Density	-	API	-	Mobile signals, GPS and other location data
AirSage	Property Analysis	Daily	API	-	Mobile signals, GPS and other location data
AirSage	Trip Patterns	-	API	-	Mobile signals, GPS and other location data
Alphamatician	Self Storage Space	-	API	-	-
Audit Analytics	Accounting Quality + Risk Matrix (AQRM)	Daily	Dedicated data-feed, Online visuals/reports	FTP, online access	Event detection, SEC disclosures
Audit Analytics	Accounting Quality Insights	Daily	Email, 3rd party distribution	-	SEC & SEDAR Disclosures
Audit Analytics	Audit Analytics Data Feeds	Daily	Dedicated data-feed	-	SEC disclosures
Audit Analytics	Audit Analytics Online Platform	Updated as Disclosed	Online visuals/reports	-	EDGAR and SEDAR
Audit Analytics	OIA Data	-	API	-	SEC, IRS, NAIC
Bitvore	Bitvore Precision News	Minute	API, Email, Online visuals/reports	JSON, CSV	Web scraping, Event detection, News, Sentiment, ESG, Geo-location, Business Transactions
BizQualify LLC	BQ Credit	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
BizQualify LLC	BQ Employment & Benefits	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Form 5500 Filings to IRS and Department of Labor

Alternative Data Directory – Products by Asset Class and Region

Equity/US/All

Company Name	Product Name	Frequency	Delivery	Format	Source
BizQualify LLC	BQ ESG	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
Borrell Associates	Borrell's Compass	Quarterly	Email, Online visuals/reports -	-	Business Transactions, Expert knowledge
Eagle Alpha	Search Data - Ticker Signals	Weekly	API, Email, Online visuals/reports, Eagle Edge Dashboard, S3	CSV, JSON, Dashboards	Online Search
Estimize, Inc.	Estimize	Real Time	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON, Streaming 3rd party distribution	-	Sentiment, Ratings, Expert knowledge
ExtractAlpha	ClosingBell	Real Time	API	CSV	Sentiment, Ratings
ExtractAlpha	Cross Asset Model	Daily	Dedicated data-feed, Online visuals/reports	CSV	Options market data
ExtractAlpha	Digital Revenue Signal	Daily	Dedicated data-feed	CSV	Social Media, Web search and web traffic
ExtractAlpha	ESGEvents Library	Monthly	Dedicated data-feed, Online visuals/reports	CSV	Web scraping
ExtractAlpha	TRESS Expert Sentiment Signal	Daily	Dedicated data-feed	CSV	Web scraping, News, Sentiment
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Minute	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON,SFTP	-	Event detection, News, Social Media
IHS Markit	Research Signals Short Squeeze Model	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV 3rd party distribution	-	Event detection, News, Sentiment, Social Media, Business Transactions, Expert knowledge
Interconnect Analytics, Inc	AlphaEDGAR™	Daily	Dedicated data-feed, API, Online visuals/reports	JSON, csv	SEC Regulatory Filings
Interconnect Analytics, Inc	RelateTheNews™	Minute, Hourly, Daily	API, Email, Online visuals/reports	CSV, JSON	Web scraping, News, Sentiment
IPqwery Inc.	IPqwery IP Ownership Event Data	Daily, Weekly	Dedicated data-feed, API	JSON	Bulk data feed from Government IP Offices
IRS 990 Filings on AWS	IRS 990 Filings	-	AWS Command Line Interface Documentation	XML, CSV, JSON	IRS
iSentium	Daily Directional Indicators	-	-	-	-
iSentium	iSENSE API	-	-	-	-
iSentium	Patented Natural Language Processing (NLP) Technology	-	-	-	-
Mobiquity Networks	Mobile location data	Real Time	API	-	-
NIELSEN Data	Retail Scanner Data	-	API	-	-
Placed	Placed Insights®	-	API	Placed's Place Graph	-

Alternative Data Directory – Products by Asset Class and Region

Equity/US/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Placed	TV Access	-	API	-	-
PlaceIQ Inc.	LandMark Data	Daily	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV or Parquet	-
Prattle Analytics	Prattle Equities Analytics	Quarterly, Real Time, All new communications processed when publicly available.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	JSON, CSV, XML, HTML	Web scraping, Event detection, News, Sentiment, Expert knowledge
Second Measure	Second Measure's Dashboard	Daily	Dashboard	-	-
Sense360	Market Research SDK	-	API	-	-
Sense360	Sense360 Diagnose	-	Reports, Surveys, API	-	Survey
Sense360	Sense360 Measure	Weekly	API, Dashboard, Reports, weekly Scorecards	-	-
Sense360	Sense360 Optimize	Real Time	API, Dashboard, Reports	-	-
Social Alpha	Active Traders	Real time	Dashboard, real time alerts	-	Social Media and News
Social Alpha	Financial Institutions	Real time	Dashboards, real time alerts and customer widgets	-	Social Media and News
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
Stocksnips Inc	Stocksnips News Sentiment dataset V3	Hourly, Daily	API, Online visuals/reports, 3rd party distribution	JSON, CSV	Web scraping, News
Thinknum, Inc.	Thinknum	Daily	API, Email, Online visuals/reports, Web UI	CSV, JSON	Web scraping

Equity/US/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
Alpha Hat	Alpha Hat	Second	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, XML, HMTL, XLSX, PDF, TXT	Geo-location
Eagle Alpha	Consumer Electronics Dataset	Daily	Online visuals/reports, Eagle Edge Dashboard, S3	CSV, JSON	Web scraping
Eagle Alpha	RevCast	Weekly	Email, Online visuals/reports, Eagle Edge Dashboard	CSV	Consumer Transactions, Online Search Data, and Published Company Financials.
Eagle Alpha	Search Data - Sales Signals	Weekly, Monthly	Email, Online visuals/reports, Eagle Edge Dashboard, S3. Dashboards.	CSV, Excel	Online Search
Edison Software	Edison Trends	Real Time	Online visuals/reports, S3	All	Edison Email App
Factual	Observation Graph	Tick	Dedicated data-feed, Online	.TSV and Parquet	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
			visuals/reports, 3rd party distribution	formats	
Hillside Partners	Custom Software	-	API	-	-
MarketCheck	Automotive	-	API	-	-
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
Thasos	ConsumerStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, transfer protocol: s3, 3rd party distribution	data format: csv, excel; stfp, email	Geo-location
Thasos	ConsumerStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering
YipitData	Apple	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, Business Transactions
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, SEO data
YipitData	Carmax & Carvana	Daily, Weekly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, Government registration
YipitData	Etsy, Inc. (ETSY)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, email receipts
YipitData	InterActiveCorp/Match (ANGI, IAC, MTCH)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, email receipts
YipitData	Lithia Motors (LAD) & Shift	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Mercari (TYO:4385)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Salvage Auctions (CPRT & KAR:IAA)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	U.S. Ridesharing (Uber & Lyft)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	email receipts, app data
YipitData	US Delivery (GRUB, Uber Eats, DoorDash, Postmates)	Daily, Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, email receipts

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
YipitData	Video Games (ATVI, EA, TTWO, UBI)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	email receipts, app data

Equity/US/Consumer Staples

Company Name	Product Name	Frequency	Delivery	Format	Source
Alpha Hat	Alpha Hat	Second	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, XML, HMTL, XLSX, PDF, TXT	Geo-location
CME	Tellus Labs	Daily	-	CSV	Satellite
Eagle Alpha	RevCast	Weekly	Email, Online visuals/reports, Eagle Edge Dashboard	CSV	Consumer Transactions, Online Search Data, and Published Company Financials.
Edison Software	Edison Trends	Real Time	Online visuals/reports, S3	All	Edison Email App
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
Thasos	ConsumerStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	ConsumerStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering

Equity/US/Energy

Company Name	Product Name	Frequency	Delivery	Format	Source
Kayrros	E&P Intelligence	Monthly	API, Email, Online visuals/reports	CSV, JSON, XLSX	Web scraping, Event detection, Geo-location,

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Energy

Company Name	Product Name	Frequency	Delivery	Format	Source
					Satellite

Equity/US/Financials

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
NasdaqAnalyticsHub	Listing	-	-	-	-
NasdaqAnalyticsHub	Nasdaq Financial Framework	-	-	-	-
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
THDataCapital	Predictive analytics	-	-	-	-
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering
YipitData	PayPal (PYPL)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, email receipts
YipitData	Salvage Auctions (CPRT & KAR:IAA)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/US/Health Care

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
MedMine LLC	QuantHC and MedMiner Models	Monthly	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution	csv, txt, xls	Business Transactions
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering

Equity/US/Industrials

Company Name	Product Name	Frequency	Delivery	Format	Source
Alpha Hat	Alpha Hat	Second	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, XML, HMTL, XLSX, PDF, TXT	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Industrials

Company Name	Product Name	Frequency	Delivery	Format	Source
MarketCheck	Equipments	-	-	-	-
Thasos	IndustrialStreams	Daily, Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, SEO data
YipitData	Carmax & Carvana	Daily, Weekly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, Government registration
YipitData	FedEx & LTL Shipping (ODFL, SAIA, YRCW, XPO, FDX)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	U.S. Airlines (ALGT, JBLU, UAL)	Daily, Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, data licensed from the Airlines Reporting Corporation

Equity/US/Information Technology

Company Name	Product Name	Frequency	Delivery	Format	Source
Alpha Hat	Alpha Hat	Second	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, XML, HMTL, XLSX, PDF, TXT	Geo-location
Eagle Alpha	Consumer Electronics Dataset	Daily	Online visuals/reports, Eagle Edge Dashboard, S3	CSV, JSON	Web scraping
Eagle Alpha	RevCast	Weekly	Email, Online visuals/reports, Eagle Edge Dashboard	CSV	Consumer Transactions, Online Search Data, and Published Company Financials.
Eagle Alpha	Search Data - Sales Signals	Weekly, Monthly	Email, Online visuals/reports, Eagle Edge Dashboard, S3. Dashboards.	CSV, Excel, JSON	Online Search
NasdaqAnalyticsHub	Nasdaq Data&Analytics	-	-	-	-
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution	CSV	Third party data partners - financial institutions
YipitData	Apple	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, Business Transactions
YipitData	InterActiveCorp/Match (ANGI, IAC, MTCH)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, email receipts
YipitData	Mercari (TYO:4385)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Zillow (ZG)	Daily, Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Real Estate

Company Name	Product Name	Frequency	Delivery	Format	Source
Alpha Hat	Alpha Hat	Second	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, XML, HTML, XLSX, PDF, TXT	Geo-location
Big Byte Insights, Ltd	Self Storage Survey	Daily	API, Email, Online visuals/reports	Excel	Web scraping
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
MarketCheck	Real estate	-	-	API	-
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
Thasos	MallStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
YipitData	Redfin (RDFN)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Zillow (ZG)	Daily, Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/US/Telecoms

Company Name	Product Name	Frequency	Delivery	Format	Source
Comlinkdata	US broadband subscriber tracking	Daily	Email, Online visuals/reports	CSV	Geo-location
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering
YipitData	Video Games (ATVI, EA, TTWO, UBI)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	email receipts, app data

Alternative Data Directory – Products by Asset Class and Region

Equity/US/Utilities

Company Name	Product Name	Frequency	Delivery	Format	Source
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions

Equity//Europe

Equity/Europe/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Audit Analytics	Audit Analytics Online Platform	Updated as Disclosed	Online visuals/reports	-	EDGAR and SEDAR
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Minute	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON,SFTP		Event detection, News, Social Media
IPqwery Inc.	IPqwery IP Ownership Event Data	Daily, Weekly	Dedicated data-feed, API	JSON	Bulk data feed from Government IP Offices
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
Thinknum, Inc.	Thinknum	Daily	API, Email, Online visuals/reports, Web UI	CSV, JSON	Web scraping

Equity/Europe/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
Eagle Alpha	Search Data - Sales Signals	Weekly, Monthly	Email, Online visuals/reports, CSV, Excel, Eagle Edge Dashboard, S3. Dashboards.		Online Search
Edison Software	Edison Trends	Real Time	Online visuals/reports, S3	All	Edison Email App
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, SEO data

Equity/Europe/Consumer Staples

Company Name	Product Name	Frequency	Delivery	Format	Source
Edison Software	Edison Trends	Real Time	Online visuals/reports, S3	All	Edison Email App
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location

Equity/Europe/Financials

Company Name	Product Name	Frequency	Delivery	Format	Source
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Equity/Europe/Industrials

Company Name	Product Name	Frequency	Delivery	Format	Source
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, SEO data

Equity/Europe/Information Technology

Company Name	Product Name	Frequency	Delivery	Format	Source
Eagle Alpha	Search Data - Sales Signals	Weekly, Monthly	Email, Online visuals/reports, CSV, Excel, Eagle Edge Dashboard, S3. Dashboards.		Online Search
YipitData	RightMove (RMV, PURP, RDFN)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/Europe/Real Estate

Company Name	Product Name	Frequency	Delivery	Format	Source
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
YipitData	RightMove (RMV, PURP, RDFN)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Equity/Japan

Equity/Japan/All

Company Name	Product Name	Frequency	Delivery	Format	Source
Alt&A Advisory	AI Algo trader	Tick	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming	Business Transactions
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Minute	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON,SFTP FTP		Event detection, News, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
Toyo Keizai	CSR data	Annual	API	-	CSR Corporate Directory
Toyo Keizai	ESG online	-	API	CSV	-
Toyo Keizai	Financial data	Daily	API	FTP	-
Toyo Keizai	Large retail store data	3 Times a year	GIS Software	-	-
Toyo Keizai	Overseas business data	Annual	API	Web , Text	Survey

Equity/Japan/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Equity/Japan/Consumer Discretionary

Company Name	Product Name	Frequency	Delivery	Format	Source
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	JCB Consumption NOW	Monthly	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	Nikkei POS	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	TrueData	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data

Equity/Japan/Consumer Staples

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Nowcast	JCB Consumption NOW	Monthly	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	Nikkei POS	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	TrueData	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data

Equity/Japan/Financials

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location

Equity/Japan/Health Care

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	Nikkei POS	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data

Equity/Japan/Information Technology

Company Name	Product Name	Frequency	Delivery	Format	Source
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data

Alternative Data Directory – Products by Asset Class and Region

Equity/Japan/Real Estate

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	JCB Consumption NOW	Monthly	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data

Equity/Japan/Telecoms

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data

Equity/Japan/Utilities

Company Name	Product Name	Frequency	Delivery	Format	Source
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data

Equity/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
1Forge	1Forge	Realtime	API	JSON, XML, CSV	Broker
7Park	MEDIA & ENTERTAINMENT	Daily	Dashboard	-	Transaction and natural language data
Accern	Coverage Banking	-	API	-	-
Accern	Fundamental Investing	-	API	-	-
Accern	Quantitative Trading	-	API	-	-
Alphamatician	Real Estate	-	API	-	-
Audit Analytics	Audit Analytics Online Platform	Updated as Disclosed	Online visuals/reports	-	EDGAR and SEDAR
big xyt	Liquidity Cockpit	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, XML, TXT, Streaming	Event detection, Business Transactions
Bitvore	Bitvore Precision News	Minute	API, Email, Online visuals/reports	JSON, CSV	Web scraping, Event detection, News, Sentiment, ESG, Geo-location, Business Transactions

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Brickstream	BRICKSTREAM 3D GEN 2	Real Time	Analytics sensor	-	-
Brickstream	BRICKSTREAM® 2D	Real Time	Analytics sensor	-	-
Brickstream	BRICKSTREAM® 3D	Real Time	Analytics sensor	-	-
Brickstream	BRICKSTREAM® 3D+	Real Time	Analytics sensor	-	-
Brickstream	Employee Filtering	Real Time	Analytics sensor	-	-
CargoMetrics	Cargometrics	Realtime	-	-	Satellite
CEIC Data	Global Databases	Daily, Weekly, Monthly, Quarterly, Semianually, Yearly	-	-	-
CEIC Data	World Trend Plus	-	-	-	-
Data Provider	STOCKS DATA	-	Dashboard	-	-
Dataprovider.com	STOCKS DATA	-	Dashboard	-	-
DataYes Inc.	Analyst Report Sentiment	Real Time	Dedicated data-feed, API, FTP	CSV, TXT	Sentiment
DataYes Inc.	Hiring/Job Listings Data	Real Time	Dedicated data-feed, API, FTP	CSV, TXT	Web scraping
DataYes Inc.	News Sentiment Data	Real Time	Dedicated data-feed, API, FTP	CSV, TXT	Sentiment
GB. Office for National Statistics	Business, Industry and trade	-	-	-	-
Gildata	Application database	-	API	DBF files, XLS files, direct-attached databases	-
Gildata	Basic databases	-	API	-	-
Gildata	Factor library	-	API	-	-
Gildata	Juyuan Financial Terminal	Real time	API	-	-
Iguana2	Custom Data Jobs	-	-	-	-
Iguana2	Investor Relations	-	-	-	-
Iguana2	Tick	-	-	-	-
Innovata	Data	Daily, Weekly, Monthly	API	SSIM, .csv, XML	Cirium
Innovata	Data Analysis	-	-	MS Excel	Innovata Schedules Reference Service database and Flightglobal Aircraft Seat database
Innovata	Mapping	-	-	-	Cirium
IPqwery Inc.	IPqwery IP Ownership Event Data	Daily, Weekly	Dedicated data-feed, API	JSON	Bulk data feed from Government IP Offices
Manheim	Arbitration	-	-	-	-

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Manheim	Consulting	-	-	-	-
Manheim	Financing	-	-	-	-
Manheim	Transportation	-	-	-	-
Manheim	Valuation	-	-	-	-
MASSIVE Data Heights	other	-	-	-	-
MixRank	Companies & Firmographics	-	Bulk export, API	-	-
MixRank	Contacts & Decision Makers	-	Bulk export, API	-	-
MixRank	Mobile Apps & SDKs	-	Bulk export, API	-	-
MixRank	Technographics & Ads	-	Bulk export, API	-	-
Orbital Insight	Orbital Insight GO	-	Dedicated data-feed	-	Satellite data
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
Quant Connect	QuantConnect Data Explorer	Tick, Second, Minute, Hour, Daily	Flat files	CSV, JSON	Crowd Sourced
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Daily	API	CSV, JSON, TXT, HTML	Web scraping, News, Sentiment, Social Media, Macro, Satellite Data
Rakuten Intelligence	Digital native brands	-	API	-	-
Selerity	Real-time Event Data	-	API, Datafeed	JSON	-
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Sustainalytics	COMPLIANCE & SCREENING	-	-	-	-
Sustainalytics	ENGAGEMENT SERVICES	-	-	-	-
Suzy	Innovation, R&D	-	-	-	-
Suzy	Marketing/Branding	-	-	-	-
Suzy	Research	-	-	-	-
Towergate Informatics	IP Data-mining and Monitoring	-	-	-	-
Unacast	Activity	-	-	-	-
Unacast	Insight	-	-	-	-
Unacast	Pure	-	-	-	-
Understory	Agriculture	-	Dashboards, Reports	-	Sensors

Alternative Data Directory – Products by Asset Class and Region

Equity/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Understory	Atmosphere	-	Dashboards, Reports	-	Sensors
Understory	Insurance Industry	-	Dashboards, Reports	-	Sensors
Understory	Utility Companies	-	Dashboards, Reports	-	Sensors
YipitData	Eventbrite (EB)	Daily, Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping, email receipts

Alternative Data Directory – Products by Asset Class and Region

Fixed Income

Fixed Income/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
1Forge	1Forge	Realtime	API	JSON, XML, CSV	Broker
Acuris	Equities	-	-	-	-
Acuris	Fixed Income	-	Dashboard, Download	-	-
Acuris	Infrastructure	Realtime	-	-	-
Acuris	Transactions	-	Dashboard, Download	-	-
Advan Research Corporation, LLC	Foot traffic data and Weather data	Daily	Dedicated data-feed, API, Online visuals/reports, Excel API	csv, json	Geo-location, Weather
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, TSV, JSON, Streaming	News
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	These Flags will occur whenever there is an anticipation of major market movements, 'typical' frequency would be 3 to 8 directional Flags per month.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming and other options	Input data is obtained from the exchange limit order books (the entire exchange stack and depths)
AlphaLetters	AlphaLetters, AlphaData	Monthly	Email	-	Expert knowledge
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports, All 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming and other options	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
BMLL Technologies Limited	BMLL Platform	Tick	API, Online visuals/reports	All. The platform interface is Python Jupyter Labs	Exchanges and other matching engines
Equity Data Science	EDS Analytics Platform	Hourly	Email, Online visuals/reports	SFTP, HTTPS:// Over API, CSV, TXT	The EDS Analytics Platform supports all data types (internal, market, external)
Informa Financial Intelligence	EPFR	Daily, Weekly, Monthly	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution	CSV, TXT, HTML, XLS	Business Transactions, Custodians and Administrators
InformaFinancialIntelligence	Banking	-	-	-	-
InformaFinancialIntelligence	Investment and Asset Management	-	-	-	-
InformaFinancialIntelligence	Weath Management	-	-	-	-
ISS Analytics	ISS Analytics	-	ISS DataDesk, Datafeeds	-	-
Jettrack.io	JetTrack	Real time	API	MULTIPLE	-
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp,	CSV, JSON	Web scraping, Event detection, News, Sentiment,

Alternative Data Directory – Products by Asset Class and Region

Fixed Income/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
			AWS S3	Social Media, Macro	
Prattle Analytics	Prattle Central Bank Analytics	When central bank communications become available	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, HTML	Web scraping, Event detection, Sentiment, Macro
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Daily	API	CSV, JSON, TXT, HTML	Web scraping, News, Sentiment, Social Media, Macro, Satellite Data
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Business Transactions, Expert knowledge
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	Daily	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution, API access will be available Q3 2019	CSV, XLS	Web scraping, Event detection, News, ESG, Social Media
ScrapeHero	Data as a Service	Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports	CSV, JSON, XML, TXT, HTML, API	Web scraping, News, Sentiment, Ratings, Social Media
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	Tick, Minute, Hourly, Daily, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, HTML, Streaming (Web Sockets)	News, Sentiment, ESG, Social Media
Tick Data	Global Market Data	-	Hard drives, FTP, API, Streaming, Download	ASC	-
Tick Data	Reference Data	-	-	CSV, ASC	-
Tick Data	Targeted Data Solutions	-	API	Custom	-

Fixed Income/US

Company Name	Product Name	Frequency	Delivery	Format	Source
Bitvore	Bitvore Precision News	Minute	API, Email, Online visuals/reports	JSON, CSV	Web scraping, Event detection, News, Sentiment, ESG, Geo-location, Business Transactions
BizQualify LLC	BQ Credit	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
BizQualify LLC	BQ Employment & Benefits	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Form 5500 Filings to IRS and Department of Labor

Alternative Data Directory – Products by Asset Class and Region

Fixed Income/US

Company Name	Product Name	Frequency	Delivery	Format	Source
BizQualify LLC	BQ ESG	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
ExtractAlpha	ESGEVENTS LIBRARY	Monthly	Dedicated data-feed, Online visuals/reports	CSV	Web scraping
Quant Connect	QuantConnect Data Explorer	Tick, Second, Minute, Hour, Daily	Flat files	CSV, JSON	Crowd Sourced
Thasos	ConsumerStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	ConsumerStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	IndustrialStreams	Daily, Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location

Fixed Income/Japan

Company Name	Product Name	Frequency	Delivery	Format	Source
Nowcast	JCB Consumption NOW	Monthly	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data

Fixed Income/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata

Alternative Data Directory – Products by Asset Class and Region

FX

FX/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
1Forge	1Forge	Realtime	API	JSON, XML, CSV	Broker
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, TSV, JSON, Streaming	News
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	These Flags will occur whenever there is an anticipation of major market movements, 'typical' frequency would be 3 to 8 directional Flags per month.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming and other options	Input data is obtained from the exchange limit order books (the entire exchange stack and depths)
AlphaLetters	AlphaLetters, AlphaData	Monthly	Email	-	Expert knowledge
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	-	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
Brave New Coin	Custom Indices	Custom	Custom	Custom	-
Brave New Coin	Global Crypto Asset Spot Rates	Realtime	API	-	-
Brave New Coin	XchangeFeed	Realtime	API	-	-
Granular.ai	Granular EM Satellite Insights	Weekly	API, Email, Online visuals/reports	Streaming, JSON, CSV	Event detection, Macro
Informa Financial Intelligence	EPFR	Daily, Weekly, Monthly	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution	CSV, TXT, HTML, XLS	Business Transactions, Custodians and Administrators
InformaFinancialIntelligence	Banking	-	-	-	-
InformaFinancialIntelligence	Investment and Asset Management	-	-	-	-
InformaFinancialIntelligence	Weath Management	-	-	-	-
MariTrace	MariData	Data is available within minutes of the ship's entering or departing ports.	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT	Satellite and terrestrial collection of ship tracking (AIS) data
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp, AWS S3	CSV, JSON	Web scraping, Event detection, News, Sentiment, Social Media, Macro
OpenCorporates	Legal Entity Bulk Data	Monthly, Quarterly	Bulk data deliveries of flat files	CSV, JSON	Web scraping, Event detection, Expert knowledge, Registry data and official sources
Prattle Analytics	Prattle Central Bank Analytics	When central bank communications become	Dedicated data-feed, API, Email, Online visuals/reports,	CSV, JSON, XML, HTML	Web scraping, Event detection, Sentiment, Macro

Alternative Data Directory – Products by Asset Class and Region

FX/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
		available	3rd party distribution		
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Daily	API	CSV, JSON, TXT, HTML	Web scraping, News, Sentiment, Social Media, Macro, Satellite Data
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Business Transactions, Expert knowledge
ScrapeHero	Data as a Service	Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports	CSV, JSON, XML, TXT, HTML, API	Web scraping, News, Sentiment, Ratings, Social Media
Sentifi AG	Sentifi Data Analytics	Every 15min for sentiment and attention.	API, Desktop Application, and Widgets	CSV, JSON, XML, TXT, HTML, Streaming	Event detection, News, Sentiment, Social Media, Macro
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	Tick, Minute, Hourly, Daily, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, HTML, Streaming (Web Sockets)	News, Sentiment, ESG, Social Media
Tick Data	Global Market Data	-	Hard drives, FTP, API, Streaming, Download	ASC	-
Tick Data	Reference Data	-	-	CSV, ASC	-
Tick Data	Targeted Data Solutions	-	API	Custom	-

FX/Asia

Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

FX/US

Company Name	Product Name	Frequency	Delivery	Format	Source
Brave New Coin	Liquid Indices Program	-	API	-	-
Quant Connect	QuantConnect Data Explorer	Tick, Second, Minute, Hour, Daily	Flat files	CSV, JSON	Crowd Sourced
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media

Alternative Data Directory – Products by Asset Class and Region

FX/US					
Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
FX/Europe					
Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
FX/Japan					
Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
FX/Others					
Company Name	Product Name	Frequency	Delivery	Format	Source
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media

Alternative Data Directory – Products by Asset Class and Region

Commodity

Commodity/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
1Forge	1Forge	Realtime	API	JSON, XML, CSV	Broker
Advan Research Corporation, LLC	Foot traffic data and Weather data	Daily	Dedicated data-feed, API, Online visuals/reports, Excel API	csv, json	Geo-location, Weather
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, TSV, JSON, Streaming	News
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	These Flags will occur whenever there is an anticipation of major market movements, 'typical' frequency would be 3 to 8 directional Flags per month.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming and other options	Input data is obtained from the exchange limit order books (the entire exchange stack and depths)
AlphaLetters	AlphaLetters, AlphaData	Monthly	Email	-	Expert knowledge
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports, All 3rd party distribution		Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
aWhere	In-Time Weather Data	Hourly, Daily	Reports, Dashboard Portal, APIs	-	Satellite, Sensors
aWhere	Maps4ER	Daily	Reports, Dashboard Portal, APIs	-	Satellite, Sensors
aWhere	Weather Insights	-	Reports, Dashboard Portal, APIs	-	Satellite, Sensors
AYLIEN Limited	News API	Minute	API	JSON, XML	Web scraping, Event detection, News, Sentiment
BMLL Technologies Limited	BMLL Platform	Tick	API, Online visuals/reports	All. The platform interface is Python Jupyter Labs	Exchanges and other matching engines
Dataminr	Dataminr for Finance	-	Email, API, Dashboard platform	-	Social media
Descartes Labs	Descartes Lab Platform	-	Dashboard Platform	-	Satellite, Sensors
Digital Globe	Advanced Elevation Suite	-	-	-	Satellite Data
Digital Globe	Imagery mosaics	-	-	-	Satellite Data
Digital Globe	Satellite imagery	-	-	-	Satellite Data
Digital Globe	Short-wave infrared imagery	-	-	-	Satellite Data
Flexport	Market updates	Weekly	Reports	-	-
Genscape	Customer Pricing Model	-	Dashboard platform	-	Expert knowledge
Genscape	Energy Management	-	Dashboard platform	-	-

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
<u>Dashboard</u>					
Genscape	Equity Midstream Insight	Weekly	Excel	-	Sensors
Genscape	Global Oil Supply Report	Every 6 weeks	API	PDF, Excel	-
Granular.ai	Granular EM Satellite Insights	Weekly	API, Email, Online visuals/reports	Streaming, JSON, CSV	Event detection, Macro
Gro Intelligence	Gro	-	Dashboard Platform	-	-
Gro Intelligence	Gro API	-	API	-	-
ICEYE	Global raw material supply chain monitoring	Daily, Weekly, At customer defined frequency	Dedicated data-feed, Email, Online visuals/reports	-	Geo-location
InformaFinancialIntelligence	Banking	-	-	-	-
InformaFinancialIntelligence	Investment and Asset Management	-	-	-	-
InformaFinancialIntelligence	Weath Management	-	-	-	-
Jettrack.io	JetTrack	Real time	API	MULTIPLE	-
Kayrros SAS	Gas Liquefaction Plant Monitor	Daily	API, Email, Online visuals/reports	CSV	Web scraping, Event detection, Geo-location, Social Media, Expert knowledge
Kayrros SAS	Global Crude Oil Inventory Tracker	Weekly	Dedicated data-feed, API, Email, Online visuals/reports, CSV,JSON 3rd party distribution		Satellite Data
MariTrace	MariData	Data is available within minutes of the ship's entering or departing ports.	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT	Satellite and terrestrial collection of ship tracking (AIS) data
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp, AWS S3	CSV, JSON	Web scraping, Event detection, News, Sentiment, Social Media, Macro
Mavrx	Taranis	-	Dashboard platform	-	Aerial surevilance
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Business Transactions, Expert knowledge
RepRisk AG	RepRisk ESG Risk	Daily	Dedicated data-feed, Email,	CSV, XLS	Web scraping, Event

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
	Platform/Data Feed	Online visuals/reports, 3rd party distribution, API access will be available Q3 2019			detection, News, ESG, Social Media
Rezatec	Agriculture Management	-	Reports, Dashboard Portal	-	Satellite, Sensors
Rezatec	Financial Services	-	Reports, Dashboard Portal	-	Satellite, Sensors
Rezatec	Forest Management	-	Reports, Dashboard Portal	-	Satellite, Sensors
Rezatec	Water Management Services	-	Reports, Dashboard Portal	-	Satellite, Sensors
RS Metrics	MetalSignals	Daily, Weekly, Monthly, Special projects can be tasked by clients.	Dedicated data-feed, API, Email, Online visuals/reports, - 3rd party distribution	CSV, JSON, XML, TXT, HTML, API	AI-enhanced computer vision analysis of satellite imagery.
Satellite Imaging Corporation	Mining and Mineral Exploration	-	FTP, DVD media	Images	Satellite, Sensors
ScrapeHero	Data as a Service	Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports	CSV, JSON, XML, TXT, HTML, API	Web scraping, News, Sentiment, Ratings, Social Media
SentiFi AG	SentiFi Data Analytics	Every 15min for sentiment and attention.	API, Desktop Application, and Widgets	CSV, JSON, XML, TXT, HTML, Streaming	Event detection, News, Sentiment, Social Media, Macro
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	Tick, Minute, Hourly, Daily, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, HTML, Streaming (Web Sockets)	News, Sentiment, ESG, Social Media
Sky Watch	Earthcache	-	Dashboard platform, API	-	Satellite
Sky Watch	Earthcache	-	Dashboard platform, API	-	Satellite
Spire	SPACE ADS-B	-	Reports, APIs	-	Satellite, Sensors
Spire	SPIRE OS:ORBITALSERVICES	-	Reports, APIs	-	Satellite, Sensors
Spire	Spire Sense Cloud	-	Reports, APIs	-	Satellite, Sensors
Spire	SPIRE STRATOS	-	Reports, APIs	-	Satellite, Sensors
STR	Competitive Benchmarking	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Forecasts	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Industry Trends	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Profit and Loss Reports	-	Dashboard, APIs, Reports	-	Business Transactions
Tick Data	Global Market Data	-	Hard drives, FTP, API, Streaming, Download	ASC	-
Tick Data	Reference Data	-	-	CSV, ASC	-
Tick Data	Targeted Data Solutions	-	API	Custom	-
World Bank	DataBank	-	API	CSV	Macro
World Bank	Microdata Library	-	API	CSV	Macro

Alternative Data Directory – Products by Asset Class and Region

Commodity/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
World Bank	Open Data Catalog	-	API	CSV	Macro
World Bank	Open Finances	-	API	CSV	Macro
World Bank	World Development Indicators	-	API	CSV	Macro

Commodity/Asia

Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Commodity/US

Company Name	Product Name	Frequency	Delivery	Format	Source
CME	Tellus Labs	Daily	-	CSV	Satellite
Kayrros	E&P Intelligence	Monthly	API, Email, Online visuals/reports	CSV, JSON, XLSX	Web scraping, Event detection, Geo-location, Satellite
Platts RigData	Platts Wellscape 4.0	Daily, Queries can be performed on demand	API, Email, Online visuals/reports, 3rd party distribution	xml, xls, FTP, WSDL	Web scraping, Event detection, Geo-location
Quant Connect	QuantConnect Data Explorer	Tick, Second, Minute, Hour, Daily	Flat files	CSV, JSON	Crowd Sourced
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Commodity/Europe

Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Alternative Data Directory – Products by Asset Class and Region

Commodity/Japan

Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Commodity/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Agricultural Research Federation (AgReFed)	Data Discovery	-	Datasets	-	Sensors
Ambiental	Environmental Assessments for Planning	-	Dashboard, APIs, Reports	-	Other
Ambiental	Flood risk assessments (FRAs)	-	Dashboard, APIs, Reports	-	Other
Ambiental	Sustainable Drainage Strategies (SuDS)	-	Dashboard, APIs, Reports	-	Other
CME	Tellus Labs	Daily	-	CSV	Satellite
Kayros SAS	Global Crude Oil Inventory Tracker	Weekly	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON 3rd party distribution		Satellite Data
Platts RigData	Platts Wellscape 4.0	Daily, Queries can be performed on demand	API, Email, Online visuals/reports, 3rd party	xml, xls, FTP, WSDL	Web scraping, Event detection, Geo-location
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
Understory	Agriculture	-	Dashboards, Reports	-	Sensors
Understory	Atmosphere	-	Dashboards, Reports	-	Sensors
Understory	Insurance Industry	-	Dashboards, Reports	-	Sensors
Understory	Utility Companies	-	Dashboards, Reports	-	Sensors

Alternative Data Directory – Products by Asset Class and Region

Real Estate

Real Estate/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
Advan Research Corporation, LLC	Foot traffic data and Weather data	Daily	Dedicated data-feed, API, Online visuals/reports, Excel API	csv, json	Geo-location, Weather
AlphaFlow	Portfolio Management services	-	Web Portal	-	Other
Alphamatician	Data Feeds	-	API	JSON, CSV	-
Alphamatician	Web Interface	-	Download	XLS	-
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Real Time	Dedicated data-feed, API, Online visuals/reports, All 3rd party distribution		Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
CB Richard Ellis Inc.	ADVISORY SERVICES	Quarterly	Web Portal	-	Expert Knowledge
CB Richard Ellis Inc.	Global Workplace Solutions	Quarterly	Web Portal	-	Expert Knowledge
CB Richard Ellis Inc.	Real estate	Quarterly	Web Portal	-	Expert Knowledge
d-edge	Online Reputation	-	-	-	Business Transactions
d-edge	PERFORMANCE ANALYSIS	-	Dashboard, APIs, Reports	-	Business Transactions
d-edge	Price Monitoring	-	Dashboard, APIs, Reports	-	Business Transactions
d-edge	PRICE RECOMMENDATION	-	Dashboard, APIs, Reports	-	Business Transactions
Earthcube	Defense	-	-	-	Satellite, Senors
Earthcube	Economic Intelligence	-	-	-	Satellite, Senors
Earthcube	Security/Environment	-	-	-	Satellite, Senors
Factual	Places	Tick	Agreed delivery mechanism such as Amazon s3 bucket	.tsv file - Tab separated values	Web (digital signals); Partners; Human annotations
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp, AWS S3	CSV, JSON	Web scraping, Event detection, News, Sentiment, Social Media, Macro
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Business Transactions, Expert knowledge
Real Capital Analytics	market data	-	Reports	-	Business Transactions
Real Capital Analytics	Property Data	-	Reports	-	Business Transactions
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	Daily	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution, API access will be available Q3 2019	CSV, XLS	Web scraping, Event detection, News, ESG, Social Media

Alternative Data Directory – Products by Asset Class and Region

Real Estate/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
ScrapeHero	Data as a Service	Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports	CSV, JSON, XML, TXT, HTML, API	Web scraping, News, Sentiment, Ratings, Social Media
SpaceNet on AWS	SpaceNet	-	-	-	Satellite
STR	Competitive Benchmarking	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Forecasts	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Industry Trends	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Profit and Loss Reports	-	Dashboard, APIs, Reports	-	Business Transactions
StreetLight Data	Smart Cities and New Mobility	-	Web Portal	-	Other
StreetLight Data	Traffic Engineering and Operations	-	Web Portal	-	Other
Vertical Knowledge	VK Data Subscriptions	Daily, Weekly, Monthly, Quarterly, Varies depending on specific data set.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	Formats: CSV, JSON, XLS, HTML, Tableau...Transfer: FTP, S3, API	Web scraping

Real Estate/Asia

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Thinknum, Inc.	Thinknum	Daily	API, Email, Online visuals/reports, Web UI	CSV, JSON	Web scraping

Real Estate/US

Company Name	Product Name	Frequency	Delivery	Format	Source
Alpha Hat	Alpha Hat	Second	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, XML, HMTL, XLSX, PDF, TXT	Geo-location
Big Byte Insights, Ltd	Self Storage Survey	Daily	API, Email, Online visuals/reports	Excel	Web scraping
Discern	Business Valuation (Public and Private)	-	Web Portal	-	Other
Discern	Corporate Strategy	-	Web Portal	-	Other
Discern	Financial Forecasting	-	Web Portal	-	Other
Discern	Financing Prep (IPO, Venture, Private Equity)	-	Web Portal	-	Other
Enigma	Data Offerings	-	-	-	Official and third party data sources

Alternative Data Directory – Products by Asset Class and Region

Real Estate/US

Company Name	Product Name	Frequency	Delivery	Format	Source
Enigma	Public Data	-	Web portal, API	-	Government, Universities, NGO
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
IHS Markit	Research Signals Equity REIT II Model	Daily, Monthly	Dedicated data-feed, API, Email, Online visuals/reports, CSV 3rd party distribution		Event detection, News, Sentiment, Geo-location, Business Transactions, Expert knowledge
PlaceIQ Inc.	LandMark Data	Daily	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV or Parquet	-
Placemeter	Out-Of-Home-Advertising	Realtime	-	-	-
Placemeter	Retail	Realtime	Reports, Dashboard	-	Arlo cameras or existing security cameras
Placemeter	Smart Cities	Realtime	-	-	City owned cameras
Thasos	ConsumerStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	IndustrialStreams	Daily, Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thinknum, Inc.	Thinknum	Daily	API, Email, Online visuals/reports, Web UI	CSV, JSON	Web scraping
YipitData	Redfin (RDFN)	Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping
YipitData	Zillow (ZG)	Daily, Weekly, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Real Estate/Europe

Company Name	Product Name	Frequency	Delivery	Format	Source
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Real Estate/Europe

Company Name	Product Name	Frequency	Delivery	Format	Source
Thinknum, Inc.	Thinknum	Daily	API, Email, Online visuals/reports, Web UI	CSV, JSON	Web scraping

Real Estate/Japan

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	JCB Consumption NOW	Monthly	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data

Real Estate/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Alphamatician	Professional services	-	-	Custom	-
Ambiental	Environmental Assessments for Planning	-	Dashboard, APIs, Reports	-	Other
Ambiental	Flood risk assessments (FRAs)	-	Dashboard, APIs, Reports	-	Other
Ambiental	Sustainable Drainage Strategies (SuDS)	-	Dashboard, APIs, Reports	-	Other
Buddy	Airstream	-	-	-	-
Buddy	Buddy Cloud	-	-	-	-
Buddy	Buddy Ohm	-	-	-	-
Buddy	Digital Transformation	-	-	-	-
Buddy	Parse on Buddy	-	-	-	-
Buildfax	Insurance Solutions	-	API, Batch Extract File, Portal	-	-
Buildfax	Investment Solutions	-	-	-	-
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Insight Data Solutions	AVM	Monthly	Dedicated data-feed, API, Email	CSV, HTTPS	Modelling

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic

Macro-Economic/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
Advan Research Corporation, LLC	Foot traffic data and Weather data	Daily	Dedicated data-feed, API, Online visuals/reports, Excel API	csv, json	Geo-location, Weather
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV, TSV, JSON, Streaming	News
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	These Flags will occur whenever there is an anticipation of major market movements, 'typical' frequency would be 3 to 8 directional Flags per month.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, TXT, HTML, Streaming and other options	Input data is obtained from the exchange limit order books (the entire exchange stack and depths)
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Online visuals/reports, All Real Time	Dedicated data-feed, API, 3rd party distribution		Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
AYLIEN Limited	News API	Minute	API	JSON, XML	Web scraping, Event detection, News, Sentiment
CEIC Data	Global Databases	Daily, Weekly, Monthly, Quarterly, Semianually, Yearly	-	-	-
CEIC Data	World Trend Plus	-	-	-	-
Exante Data	Global Flow Analytics	Realtime,	-	-	Macro, Research Reports
Factual	Places	Tick	Agreed delivery mechanism such as Amazon s3 bucket	.tsv file - Tab separated values	Web (digital signals); Partners; Human annotations
Granular.ai	Granular EM Satellite Insights	Weekly	API, Email, Online visuals/reports	Streaming, JSON, CSV	Event detection, Macro
ICEYE	Global raw material supply chain monitoring	Daily, Weekly, At customer defined frequency	Dedicated data-feed, Email, Online visuals/reports	-	Geo-location
Informa Financial Intelligence	EPFR	Daily, Weekly, Monthly	Dedicated data-feed, Email, Online visuals/reports, 3rd party distribution	CSV, TXT, HTML, XLS	Business Transactions, Custodians and Administrators
Kayros SAS	Gas Liquefaction Plant Monitor	Daily	API, Email, Online visuals/reports	CSV	Web scraping, Event detection, Geo-location, Social Media, Expert knowledge
LinkUp	Data Packages	-	API	-	Employer websites
LinkUp	Job Listing Content	Daily	API	FTP instance	Employer websites
LinkUp	Market Reports	-	API, Reports	-	Employer websites
LinkUp	RAW	-	API, Reports & Feeds	-	Employer websites
MariTrace	MariData	Data is available within	Dedicated data-feed, API,	CSV, JSON, XML, TXT	Satellite and terrestrial

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
		minutes of the ship's entering or departing ports.	Online visuals/reports, 3rd party distribution		collection of ship tracking (AIS) data
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp, AWS S3	CSV, JSON	Web scraping, Event detection, News, Sentiment, Social Media, Macro
Orbital Insights	OI Energy	Daily	-	-	Satellite, Sensors
Prattle Analytics	Prattle Central Bank Analytics	When central bank communications become available	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	CSV, JSON, XML, HTML	Web scraping, Event detection, Sentiment, Macro
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
Qlik	Attunify Replicate	-	Software	-	-
Qlik	Qlik core	-	API	-	-
Qlik	Qlik sense	-	API	-	-
Qlik	Qlik View	-	API	-	-
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Daily	API	CSV, JSON, TXT, HTML	Web scraping, News, Sentiment, Social Media, Macro, Satellite Data
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Business Transactions, Expert knowledge
RS Metrics	MetalSignals	Daily, Weekly, Monthly, Special projects can be tasked by clients.	Dedicated data-feed, API, Email, Online visuals/reports, - 3rd party distribution		AI-enhanced computer vision analysis of satellite imagery.
ScrapeHero	Data as a Service	Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Email, Online visuals/reports	CSV, JSON, XML, TXT, HTML, API	Web scraping, News, Sentiment, Ratings, Social Media
Selerity	Real-time Event Data	-	API, Datafeed	JSON	-
Selerity	Selerity Context	Realtime	Application	-	-
SESAMM	L'Humeur des Marchés Web & API (The Markets Mood)	Tick, Minute, Hourly, Daily, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, HTML, Streaming (Web Sockets)	News, Sentiment, ESG, Social Media
Trade and Tariff Data	Economic research and analysis	-	Web Portal	-	Macro
Trade and Tariff Data	Trade and tariff data	-	Web Portal	-	Macro, Business Transactions

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
Trade and Tariff Data	WTO Data portal	-	Web Portal	-	Macro
Trade and Tariff Data	WTO publications	-	Reports	-	Macro, Research Reports
Vertical Knowledge	VK Data Subscriptions	Daily, Weekly, Monthly, Quarterly, Varies depending on specific data set.	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	Formats: CSV, JSON, XLS, HTML, Tableau...Transfer: FTP, S3, API	Web scraping
World Bank	DataBank	-	API	CSV	Macro
World Bank	Microdata Library	-	API	CSV	Macro
World Bank	Open Data Catalog	-	API	CSV	Macro
World Bank	Open Finances	-	API	CSV	Macro
World Bank	World Development Indicators	-	API	CSV	Macro

Macro-Economic/Asia

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
YipitData	China Express Shipping (BSTI, JD, ZTO)	Daily, Monthly	API, Email, Online visuals/reports	CSV, Parquet, Excel	Web scraping

Macro-Economic/US

Company Name	Product Name	Frequency	Delivery	Format	Source
BizQualify LLC	BQ Credit	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
BizQualify LLC	BQ Employment & Benefits	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Form 5500 Filings to IRS and Department of Labor
BizQualify LLC	BQ ESG	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
Enigma	Data Offerings	-	-	-	Official and third party data sources
Enigma	Public Data	-	Web portal, API	-	Government, Universities, NGO
Estimize, Inc.	Estimize	Real Time	Dedicated data-feed, API, Email, Online visuals/reports, CSV, JSON, Streaming 3rd party distribution		Sentiment, Ratings, Expert knowledge
Factual	Observation Graph	Tick	Dedicated data-feed, Online	.TSV and Parquet	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/US

Company Name	Product Name	Frequency	Delivery	Format	Source
			visuals/reports, 3rd party distribution	formats	
Federal Reserve Bank of St. Louis	Fred	Daily	Download	CSV, EXCEL, PDF	Federal Reserve Bank of St. Louis
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
Jackson County GIS	Development	-	Download, API	CSV,JSON	-
Jackson County GIS	Environment	-	Download, API	CSV,JSON	-
Jackson County GIS	Water	-	Download, API	CSV,JSON	-
Kyber Data Science	KYBER CANNABIS DATA	-	API	-	Headset
Kyber Data Science	KYBER SURVEYS	-	API	CSV	2500 US Consumers
Legal Shield	LSEngage	-	API	-	Expert Knowledge
Orbital Insights	OI Consumer	-	-	-	Satellite, Sensors
Orbital Insights	Orbital Insight GO	-	-	-	Satellite, Sensors
PlaceIQ Inc.	LandMark Data	Daily	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	CSV or Parquet	-
Pluribus Labs	US market mood analytics library	-	API	-	News, Social Media
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution		Third party data partners - financial institutions
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
Thasos	ConsumerStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	ConsumerStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	IndustrialStreams	Daily, Weekly, Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Attribution	Monthly	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	MallStreams Visitation	Daily	Dedicated data-feed, API, Email, Online visuals/reports, 3rd party distribution	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location
Thasos	QStreams	Daily	Dedicated data-feed, API, Email, Online visuals/reports	data format: csv, excel; transfer protocol: s3, stfp, email	Geo-location

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/US

Company Name	Product Name	Frequency	Delivery	Format	Source
US Gov. Data	LOCAL GOVERNMENT	-	CSV, HTML, XLSX	-	Macro
US Healthcare Data	HealthData.gov API	-	API	-	Macro
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering

Macro-Economic/Europe

Company Name	Product Name	Frequency	Delivery	Format	Source
CESSDA	Data Catalogue & Guide	-	Online Visuals/Reports	Reports	Macro
CESSDA	Training	-	Online Visuals/Reports	reports	MAcro
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Macro-Economic/Japan

Company Name	Product Name	Frequency	Delivery	Format	Source
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
Nowcast	Credit card transaction level data in Japan	Daily	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	JCB Consumption NOW	Monthly	Dedicated data-feed, Online visuals/reports	csv, xlsx	Consumer Transaction data
Nowcast	Nikkei POS	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data
NOWCAST, Inc.	TrueData	Daily, Weekly, Quarterly	Dedicated data-feed, Email, Online visuals/reports	csv, xlsx	Consumer Transaction data
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Macro-Economic/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Australian Antarctic Data Centre (AADC)	Australian Antarctic Division Publications	Semi-annual	Download	PDF	Australian Government
Australian Antarctic Data Centre (AADC)	Geographic Information System (GIS)	-	Download	SHP	-
Australian Antarctic Data Centre (AADC)	Satellite Image Catalogue	-	Web portal	-	-
CEIC Data	Premium Databases	-	-	-	-

Alternative Data Directory – Products by Asset Class and Region

Macro-Economic/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Data Norfolk	Environment	-	-	-	-
Data Norfolk	Government	-	-	-	-
Data.NSW	API.NSW	-	API	JSON	-
Data.NSW	NSW Open Data Portal	-	API	XLS	Government
Factual	Observation Graph	Tick	Dedicated data-feed, Online visuals/reports, 3rd party distribution	.TSV and Parquet formats	Geo-location
GB. Office for National Statistics	Business, Industry and trade	-	-	-	-
GB. Office for National Statistics	Economy	-	-	-	-
GB. Office for National Statistics	Employment and Labour Market	-	-	-	-
GB. Office for National Statistics	People, Population and Community	-	-	-	-
Innovate UK	News and communications	-	API	-	News
Innovate UK	Research & Statistics	Annual	API	PDF, CSV	HM Revenue & Customs
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
Qlik	Qlik Analytics Platform	-	API	-	-
Queensland Government Data	Open Data Portal	-	Download, API	MULTIPLE	Queensland Government
Queensland Government Data	Queensland Globe	-	Dashboard	-	-
Selerity	Private Context Engine	-	Application	-	Chat and Email

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit

Consumer Credit/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
Affinity Solutions	Affinity Solutions Spend Insights	-	Reports	-	Transaction Data
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Online visuals/reports, All Real Time	Dedicated data-feed, API, 3rd party distribution	-	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
Creditsafe	Creditsafe Connect	-	API	-	Financial Data
Creditsafe	CRM Integration	-	-	-	Financial Data
Creditsafe	Sage 50 App	-	-	-	Financial Data
Elevate	Conventus+	-	Data-feeds	Daily, Weekly, Monthly	-
FactorTrust	Credit Vision	-	-	-	-
FactorTrust	Decision Edge	-	-	-	-
FactorTrust	Insurance Discovery	-	-	-	-
Lenddo	Lenddo Score	-	-	-	Business Transactions
Lenddo	Lenddo Verification	-	-	-	Business Transactions
Tala	Tala	-	-	-	-
UnionPay	Online, Mobile and Cross-border B2B Payment	-	Application	-	Transaction Data
Yodlee / Envestnet	Data Analytics for Retail and Banking	-	Reports	-	-
Yodlee / Envestnet	Data Platform	-	Reports	-	-
Yodlee / Envestnet	Financial Data API	-	API	-	-

Consumer Credit/Asia

Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

Consumer Credit/US

Company Name	Product Name	Frequency	Delivery	Format	Source
Affinity Solutions	Affinity Solutions Buyer Graph	-	Reports	-	Transaction Data

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit/US

Company Name	Product Name	Frequency	Delivery	Format	Source
Affinity Solutions	Affinity Solutions Closed Loop Measurement	-	Reports	-	Transaction Data
Affinity Solutions	Affinity Solutions Merchant-Funded Offers Platform	-	Reports	-	Transaction Data
Affinity Solutions	Affinity Solutions Precision Targeted Campaigns	-	Reports	-	Transaction Data
ARM Insight	ARM Refinery	-	-	-	Transaction Data
ARM Insight	Data Driven Loyalty	-	-	-	Transaction Data
ARM Insight	Deep Analytics	-	-	-	Transaction Data
ARM Insight	Synthetic Data	-	-	-	Transaction Data
Cignifi	Credit Scores	-	Web interface, API	-	Business Transactions
Cignifi	Marketing Analytics Solution	-	-	-	Business Transactions
Elevate	Segment optimized analytics	-	-	-	Business Transactions
Experian	Data Breach resolution	-	-	-	-
Experian	Experian Marketing Services	-	-	-	-
Experian	Fraud Management - Cross Core	-	API	-	-
Experian	Global Consulting Practice	-	-	-	-
Experian Micro Electronics	AltData	-	-	-	Business Transactions
Experian Micro Electronics	Micro and SME Origination	-	-	-	Business Transactions
Experian Micro Electronics	Retail Origination	-	-	-	Business Transactions
FICO	FICO® Decision Management Suite	-	-	-	Transaction Data
FICO	FICO® Score	-	-	-	Transaction Data
FICO	FICO® Score Open Access	-	-	-	Transaction Data
FICO	FICO® Xpress Optimization	-	-	-	Transaction Data
Info Free	Business Databases/Lists	-	-	-	-
Info Free	Consumer Databases/Lists	-	-	-	-
Info Free	Weekly HOT Sales Lead	-	-	-	-

Alternative Data Directory – Products by Asset Class and Region

Consumer Credit/US

Company Name	Product Name	Frequency	Delivery	Format	Source
<u>Databases/Lists</u>					
Infogroup	Credit net	-	-	-	Transaction Data
Infogroup	Votereach	-	-	-	-
Kabbage	Kabbage Platform	-	Dashboard platform	-	Business transactions
Next Caller	VeriCall	-	-	-	-
Second Measure	Second Measure	Daily	Dedicated data-feed, API, Email, Online visuals/reports, CSV and custom 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Third party data partners - financial institutions
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
VantageScore	VantageScore 4.0	-	-	-	Business transactions
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

Consumer Credit/Europe

Company Name	Product Name	Frequency	Delivery	Format	Source
Elevate	Segment optimized analytics	-	-	-	Business Transactions
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

Consumer Credit/Japan

Company Name	Product Name	Frequency	Delivery	Format	Source
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings

Consumer Credit/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

Alternative Data Directory – Products by Asset Class and Region

SME Credit

SME Credit/Global

Company Name	Product Name	Frequency	Delivery	Format	Source
Advan Research Corporation, LLC	Foot traffic data and Weather data	Daily	Dedicated data-feed, API, Online visuals/reports, Excel API	csv, json	Geo-location, Weather
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Online visuals/reports, All Real Time	Dedicated data-feed, API, 3rd party distribution		Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge
OpenCorporates	Legal Entity Bulk Data	Monthly, Quarterly	Bulk data deliveries of flat files	CSV, JSON	Web scraping, Event detection, Expert knowledge, Registry data and official sources
RavenPack	RavenPack Analytics	Real Time, Clients can choose data frequency delivery	API, Email, Online visuals/reports, email / IM Alerts, xlsx. / csv. downloads	CSV, XLSX, JSON, Streaming	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Social Media, Macro, Biz Transactions

SME Credit/Asia

Company Name	Product Name	Frequency	Delivery	Format	Source
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

SME Credit/US

Company Name	Product Name	Frequency	Delivery	Format	Source
BizQualify LLC	BQ Credit	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
BizQualify LLC	BQ ESG	Monthly	Dedicated data-feed, 3rd party distribution	CSV	Web scraping, Form 5500 Filings to IRS and Department of Labor
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
Kabbage	Kabbage Platform	-	Dashboard platform	-	Business transactions
VantageScore	VantageScore 4.0	-	-	-	Business transactions
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

Alternative Data Directory – Products by Asset Class and Region

SME Credit/Europe

Company Name	Product Name	Frequency	Delivery	Format	Source
Gyana	SaaS Platform	Daily	Dedicated data-feed, API, Online visuals/reports	All	Geo-location
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

SME Credit/Others

Company Name	Product Name	Frequency	Delivery	Format	Source
Innovate UK	News and communications	-	API	-	News
Innovate UK	Research & Statistics	Annual	API	PDF, CSV	HM Revenue & Customs
ZestFinance	ZAML (Zest Automated Machine Learning)	Tick, Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Real Time	Dedicated data-feed, API, Online visuals/reports, 3rd party distribution	All data formats supported	ZAML uses proprietary data belonging to our customers and the data providers they engage with

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Acuris	Equities	-	-	-	-
Acuris	Fixed Income	-	Dashboard, Download	-	-
Acuris	Infrastructure	Realtime	-	-	-
Acuris	Transactions	-	Dashboard, Download	-	-
Ageagle	FarmLens	-	Reports, Dashboard Portal	-	Satellite, Drones
Agricultural Research Federation (AgReFed)	Data Discovery	-	Datasets	-	Sensors
Airports Council International	Statistics Packages	Custom	Online Visuals, reports	Reports, Infographics	Market research
Airports Council International	Traffic Data	Monthly, annual	Online Visuals, reports	-	Market research
Amass	Insights	Hourly, Daily, Weekly, Monthly, Quarterly, Yearly, Email, Online visuals/reports, All Real Time	Dedicated data-feed, API, 3rd party distribution	Web scraping, Event detection, News, Sentiment, ESG, Ratings, Geo-location, Social Media, Macro, Business Transactions, Expert knowledge	
Ambiental	Environmental Assessments for Planning	-	Dashboard, APIs, Reports	-	Other
Ambiental	Flood risk assessments (FRAs)	-	Dashboard, APIs, Reports	-	Other
Ambiental	Sustainable Drainage Strategies (SuDS)	-	Dashboard, APIs, Reports	-	Other
ARC	Airline BI	-	Dashboards	-	-
ARC	ARC DataXpert Market Intelligence	Weekly	-	-	-
ARC	Direct Data Solutions	-	Datafeed, Webportal	-	-
aWhere	In-Time Weather Data	Hourly, Daily	Reports, Dashboard Portal, APIs	-	Satellite, Sensors
aWhere	Maps4ER	Daily	Reports, Dashboard Portal, APIs	-	Satellite, Sensors
aWhere	Weather Insights	-	Reports, Dashboard Portal, APIs	-	Satellite, Sensors
Black Box (TDn2k)	BlackBox intelligence	-	-	-	-
Black Box (TDn2k)	White Box	-	-	-	-
Borrell	Addressable Digital Revenue Estimates	-	Reports	-	-
Borrell	Real Estate Advertising Report	-	Reports	-	-
Bridg	Bridg CRM	-	API	-	-

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Bridg	Bridg Email	-	Email	-	-
Bridg	Campaign Audiences	-	-	-	Social Media
Bridg	Insight Analytics	-	Dashboard	-	-
Bridg	Mobile & Loyalty	-	API	-	-
CargoMetrics	Cargometrics	Realtime	-	-	Satellite
CargoMetrics	Global Cargo System	-	-	-	-
CargoMetrics	TruFreight	-	-	-	-
Chain Store Guide Information Services	Location Data	Monthly	-	-	-
Chain Store Guide Information Services	Market Share Leads Reports	-	Reports	-	Market Data
Chain Store Guide Information Services	NewsRoom	-	-	-	-
Chain Store Guide Information Services	OnDemand Custom Data	-	-	-	Market Data
Chain Store Guide Information Services	Retail & Foodservice Online Sales Leads & Market Data	-	-	-	Market Data
Chain Store Guide Information Services	Targeted Sales Leads	-	-	-	-
ChemOrbis	Market Snapshot	-	Web-user Interface	-	News, Expert Knowledge
ChemOrbis	Price Wizard	-	Web-user Interface	-	News, Expert Knowledge
ChemOrbis	Product Snapshot	-	Web-user Interface	-	News, Expert Knowledge
ChemOrbis	Stat Wizard	-	Web-user Interface	-	News, Expert Knowledge
ClipperData	China Crude Weekly	-	-	-	-
ClipperData	Fuel Oil and Feedstock Trader	-	-	-	-
ClipperData	GeopoliticOil	-	-	-	-
ClipperData	Global LPG Report	-	-	-	-
ClipperData	Global Middle Distillates	-	-	-	-
ClipperData	US Gasoline Report	-	-	-	-
Comscore Inc.	Analytics-and-Optimization	-	-	-	-
Comscore Inc.	Movies-Reporting-and-Analytics	-	-	-	-
Comscore Inc.	Ratings-and-Planning	-	-	-	-
CreditRiskMonitor	FRISK Score	-	-	-	-
CreditRiskMonitor	FRISK Stress Index	-	Dashboard, Web portal	-	-
CreditRiskMonitor	Fundamental Service	-	-	-	-

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
CreditRiskMonitor	PAYCE Score	-	-	-	-
CropProphet	Enterprise Modeler Subscription	-	Website	-	-
CropProphet	Enterprise Subscription	-	Website	-	-
CropProphet	Premier Subscription	-	Website	-	-
Cuebiq	Audience Targeting	Real Time	API	-	-
Cuebiq	Footfall Attribution	Real Time	API	-	-
Cuebiq	Location Analytics	Real Time	API	-	-
Datalogix	AI-Driven Analytics	-	-	-	-
Datalogix	Application Integration	-	-	-	-
Datalogix	Autonomous database	-	-	-	-
Datalogix	Blockchain	-	-	-	-
Datalogix	Engineered System	-	-	-	-
Datamed	Figshare	-	Download	-	-
Datamed	RCSB Protein Data Bank	-	Download	-	-
Datamed	The Cambridge Crystallographic Data Centre	-	Download	-	-
Datamed	UniProt:Swiss-Prot	-	Download	-	-
Descartes Labs	Descartes Lab Platform	-	Dashboard Platform	-	Satellite, Sensors
Digital Globe	Advanced Elevation Suite	-	-	-	Satellite Data
Digital Globe	Imagery mosaics	-	-	-	Satellite Data
Digital Globe	Satellite imagery	-	-	-	Satellite Data
Digital Globe	Short-wave infrared imagery	-	-	-	Satellite Data
Doane Advisory Service	AG Insight	Weekly	Reports	-	News, Expert Knowledge
Doane Advisory Service	Commodity Digest	Weekly	Reports	-	News, Expert Knowledge
Doane Advisory Service	International Agriculture Outlook Report	Semi-annual	Reports	-	News, Expert Knowledge
Dodge	Apps and Integrations	Real Time	Web-user interface	Dashboard	Market Research, Geo-location
Dodge	Bid Management	Monthly	Web-user interface	Dashboard	Business Transactions
Dodge	Construction Project Leads	Daily	Online visuals/reports	Dashboard, Reports	Other (Market Research)
Dodge	Dodge Construction Central	-	Online visuals/reports	Dashboard, Reports	Business Transactions
Dodge	Market Forecast and Industry Trends	Monthly	Online visuals/reports	Reports	Market Research, Expert knowledge

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Dun & Bradstreet (PAYDEX)	PAYDEX Score	-	Reports	-	-
Enigma	Company Data	-	-	-	-
Enigma	People Data	-	-	-	-
Enigma	Places Data	-	-	-	-
Equity Data Science	EDS Analytics Platform	Hourly	Email, Online visuals/reports	SFTP, HTTPS:// Over API, CSV, TXT	The EDS Analytics Platform supports all data types (internal, market, external)
Eurekahedge	Global Islamic Fund Database	Monthly	Web portal	-	-
Eurekahedge	Hedge Fund Databases	Monthly	Web-portal	-	-
Eurekahedge	Private Equity Fund Database	Monthly	Web portal	-	-
Eurekahedge	Risk Shell	Monthly	Web-portal	-	-
Euromonitor International Ltd	Euromonitor	-	-	-	-
Euromonitor International Ltd	Passport	-	-	-	-
Everest Group	Domain Expertise	-	-	-	Expert knowledge
Everest Group	Industry expertise	-	Online visuals/reports	Dashboard	Market Research
Everest Group	Market Insights	-	Online visuals/reports	Dashboard	Market Research, Expert knowledge
Everest Group	Peak Matrix	-	Online visuals/reports	Dashboard	Market Research
Everest Group	Pinnacle Model	-	Online visuals/reports	Dashboard	Expert knowledge
First Data Merchant Services Corporation	Analytics and Reporting Solutions	-	-	-	-
First Data Merchant Services Corporation	Clover Insights	-	-	-	-
First Data Merchant Services Corporation	Information, Analytics and Reporting	-	Dashboard	-	-
Genscape	Customer Pricing Model	Real Time	Online visuals/Reports, consultation	Dashboard/Reports	-
Genscape	Customer Pricing Model	-	Dashboard platform	-	Expert knowledge
Genscape	Energy Management Dashboard	-	Dashboard platform	-	-
Genscape	Equity Midstream Insight	Weekly	Excel	-	Sensors
Genscape	Global Oil Supply Report	Every 6 weeks	API	PDF, Excel	-
Genscape	High-Frequency Oil Production Monitor	Daily	API	-	-
Genscape	Natural Gas Infrastructure Intelligence	Daily, Weekly, Monthly	API, Dedicated Datafeed	-	-

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Genscape	PowerRT Europe	Real Time	API	-	-
Genscape	Refinery Stream Monitor	Weekly, Monthly	API	-	-
Geotab	Location Analytics	-	Google Bigquery	-	Satellite
Geotab	Urban Infrastructure	-	Google Bigquery	-	-
Geotab	Weather Datasets	-	Google Bigquery	-	-
Gro Intelligence	Gro	-	Dashboard Platform	-	-
Gro Intelligence	Gro API	-	API	-	-
Health Forum (AHA)	AHA Data for Hospitals	-	Web portal	-	AHA's Annual Survey Database
Health Forum (AHA)	Business Intelligence for B2B	-	Web portal	-	-
humanpredictions	humanpredictions	Daily	Online visuals/reports	-	Web scrapping, Market Research
ICI	Factbook	Yearly	Download	PDF	ICI
ICI	Money Marker Fund Portfolio Data	Monthly	Download	XLS	ICI
ICI	Weekly Estimated Flow Reports	Weekly	Download	XLS	ICI
Indigoag	Indigo Atlas Insights	-	Reports, Dashboard Portal	-	Satellite
InformaFinancialIntelligence	Banking	-	-	-	-
InformaFinancialIntelligence	Investment and Asset Management	-	-	-	-
InformaFinancialIntelligence	Weath Management	-	-	-	-
Innovata	Data	Daily, Weekly, Monthly	API	SSIM, .csv, XML	Cirium
Innovata	Data Analysis	-	-	MS Excel	Innovata Schedules Reference Service database and Flightglobal Aircraft Seat database
Innovata	Mapping	-	-	-	Cirium
Innovate UK	News and communications	-	API	-	News
Innovate UK	Research & Statistics	Annual	API	PDF, CSV	HM Revenue & Customs
Inside Mortgage Finance Publication	ABS Activity	-	Download	XLS, PDF	-
Inside Mortgage Finance Publication	Mortgage Insurance	-	Download	XLS, PDF	-
Inside Mortgage Finance Publication	Mortgage Originations	-	Download	XLS, PDF	-
Intermodal Association of NORTH AMERICAN	Intermodal Association of NORTH AMERICAN	-	Online Visuals, reports	Dashboards/Reports	publicly available maps of

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
North America (IANA)	INTERMODAL NETWORK	-	-	-	intermodal routes published by individual railroads
Intermodal Association of North America (IANA)	Volume Analyser	-	Online Visuals, reports	XLS	-
International Data Corporation Inc.	Insights Industry Research	-	Other	Dashboard, Reports	Expert knowledge
International Data Corporation Inc.	Investment Research	-	Online visuals/reports	Dashboard, Reports	Business Transactions
International Data Corporation Inc.	Spending guides	-	Other	Dashboard, Reports	Expert knowledge
International Data Corporation Inc.	Subscription Services	-	-	-	-
International Data Corporation Inc.	Trackers	-	Other	Dashboard, Reports	Market research
Internet Truckstop	Oversize loads	-	Online Visuals, reports	Dashboards/Reports	Market research
Internet Truckstop	Rate analysis	Real Time	Online Visuals, reports	Dashboards/Reports	Business Transactions
Internet Truckstop	Rate Forecasting	Weekly	Online Visuals, reports	Dashboards/Reports	Expert knowledge
Internet Truckstop	Rate Mate	-	Online Visuals, reports	Dashboards/Reports	Business Transactions
Internet Truckstop	Trans4Cast	-	Online Visuals, reports	Dashboards/Reports	Market research
IQVIA	Commercial Data Warehouse	-	-	-	-
IQVIA	Master Data Management	-	Custom	Custom	-
IQVIA	Research and Development	-	Dashboard	-	-
iResearch	EcTracker	-	-	-	Social Media, Sentiment
iResearch	iUserTracker	-	-	-	Social Media, Sentiment
iResearch	iVideoTracker	-	-	-	Social Media, Sentiment
iResearch	mUserTracker	-	-	-	Social Media, Sentiment
ISSB Ltd	Tailored Reports	-	Reports	-	-
ISSB Ltd	Trade Enquiry System	-	Reports	Excel	-
ISSB Ltd	World Steel Statistics Monthly	Monthly	Reports	-	-
Jettrack.io	JetTrack	Real time	API	MULTIPLE	-
JWN Energy	Daily Oil Bulletin	-	-	-	-
JWN Energy	Evaluate Energy	-	-	-	-
JWN Energy	Rig Locator	-	-	-	Canadian Association of Oilwell Drilling Contractors (CAODC)
LIMRA (LL Global Inc.)	Industry news2use	-	Newsletter	-	-

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
LIMRA (LL Global Inc.)	LIMRA Limelight	-	Reports	-	-
LIMRA (LL Global Inc.)	LIMRA MarketFacts	-	Reports	-	-
Magna Global Research	MAGNA Intelligence	-	-	-	-
Manfredi & Associates	Machinery Outlook	Monthly, Quarterly	Online Visuals, reports	Dashboards/Reports	Market Research
MarineTraffic	Business Directory	-	-	-	-
MarineTraffic	Data Services (API)	Realtime	API	XML, CSV, JSON	-
MarineTraffic	Historical AIS data	-	-	-	Terrestrial AUS receivers and Satellite AIS receivers
Marinexplore	Datahub	Multiple	Dashboard, API	CDF, CSV	Satellite
Marinexplore	Powerboard	-	Dashboard, API	-	Satellite
MarketPsych Data	MarketPsych Indices	Minute, Hourly, Daily	API, Online visuals/reports, 3rd party distribution, ftp, AWS S3	CSV, JSON	Web scraping, Event detection, News, Sentiment, Social Media, Macro
Nexant Inc.	Markets and Profitability	-	Reports	-	News, Expert Knowledge
Nexant Inc.	Special Reports	-	Reports	-	News, Expert Knowledge
NEXRAD on AWS	NEXRAD	-	Online Portal	-	Satellite, Radar
Norgate Investor Services	Data Tools	Daily	Other	Other	Futures exchanges
Norgate Investor Services	Premium Data	Daily	Other	Other	Licensed data vendors, index providers
Norgate Investor Services	Premium Forex	Daily	Other	Other	Interbank foreign exchange market
Off-Highway Research Limited	Databases	-	Other	XLS	-
Off-Highway Research Limited	Global Volume and Value Service PLUS	-	Other	-	Business Transactions
Off-Highway Research Limited	Research Reports	-	Online Visuals, reports	Dashboards/Reports	Expert knowledge
Omics DI	EGA	-	Download, API	-	-
Omics DI	GNPS	-	-	-	-
Omics DI	GPM	-	-	-	-
Omics DI	Metabolights	-	Download	XML	-
Omics DI	PeptideAtlas	-	-	TXT	-
OpenCorporates	Legal Entity Bulk Data	Monthly, Quarterly	Bulk data deliveries of flat files	CSV, JSON	Web scraping, Event detection, Expert knowledge, Registry data and official sources
Optuma	Backtesting	-	Online visuals/Reports	Dashboard/Reports	Data vendors, expert knowledge
Optuma	Enterprise Solutions	-	Online visuals/Reports	Dashboard/Reports	Data vendors, expert

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
					knowledge
Optuma	Signal Tester	-	Online visuals/Reports	Dashboard/Reports	Data vendors, expert knowledge
Optuma	Trade Testing	-	Online visuals/Reports	Dashboard/Reports	Data vendors, expert knowledge
Orbital Insights	GO Consumer	-	-	-	Artificial intelligence and satellite imagery
Orbital Insights	GO Energy	-	-	-	-
Orbital Insights	Orbital Insights Go	Real Time	Other	-	Geo Location
P&I Research	Data	-	Dashboard, Subscription	EXCEL	-
P&I Research	Insights	-	-	-	Reporters, Editors
Placemeter	Smart Cities	-	-	-	-
Planet Labs	Basemaps	-	Reports, Dashboard Portal	Images	Satellite, Sensors
Planet Labs	Planet Analytic Feeds	-	Reports, Dashboard Portal	-	Satellite, Sensors
Planet Labs	Planet Explorer	-	Reports, Dashboard Portal	Images	Satellite, Sensors
Planet Labs	Planet Monitoring	-	FTP, DVD media	Images	Satellite, Sensors
Planet Labs	Planet Tasking	-	FTP, DVD media	Images	Satellite, Sensors
Premise Data Corporation	Premise Data	Minute, Hourly, Daily, Weekly, Monthly, Data is collected based on specific data collection campaign objectives.	API, Email, Online visuals/reports, Web-user interface, raw data export	CSV, JSON, XML, TXT, HTML, Streaming etc.	Event detection, News, Sentiment, Geo-location, Social Media, Macro, open data, store locations, consumer insights, direct observations, mobile device metadata
PrimeCharts	Data Manager	-	Other	-	-
PrimeCharts	Market Master X-ec	-	Other	-	-
PrimeCharts	Market Optimiser	-	Other	-	-
PrimeCharts	Market Partner	-	Other	-	-
QuantHouse	QuantFACTORY	-	-	-	Expert Knowledge
QuantHouse	QuantFEED	Real Time	API, Other	-	Business Transactions
QuantHouse	QuantLINK	Real Time	-	-	Business Transactions
Redbook Research Inc.	Johnson Redbook Consumer Indicators	-	-	-	-
Redbook Research Inc.	Johnson Redbook Index	-	-	-	-
Redbook Research Inc.	Johnson Redbook Retail Sales Monthly	-	-	-	-
Relationship Science	Relationship Science	Daily	Dedicated data-feed, API, Email, Online visuals/reports	-	Web scraping, Event detection, News, Business Transactions
Rezatec	Agriculture Management	-	Reports, Dashboard Portal	-	Satellite, Sensors

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Rezatec	Financial Services	-	Reports, Dashboard Portal	-	Satellite, Sensors
Rezatec	Forest Management	-	Reports, Dashboard Portal	-	Satellite, Sensors
Rezatec	Water Management Services	-	Reports, Dashboard Portal	-	Satellite, Sensors
RigLogix	First For Rig News	-	Reports and Exports	-	-
RigLogix	Global Rig Data Solutions	-	Reports and Exports	-	-
RigLogix	Unique Market Analysis	-	Reports and Exports	-	-
RootMetrics	Professional Services	On Request	Online visuals/reports	Dashboard, Reports	Expert knowledge
RootMetrics	RootScore	-	Online visuals/reports	Dashboard, Reports	Expert knowledge
RS Metrics	Custom Monitoring	-	-	-	Satellite Data
RS Metrics	ESG (Environment, Social, Governance)	-	-	-	Satellite Data
RS Metrics	Global real-time monitoring and alert system(GREAT)	-	Dashboard platform	-	Satellite
RS Metrics	MetalSignals	Daily	Online visuals/reports	N/A	Satellite, Sensors
RxData.net	Not So Visible Net Price For Pharmaceuticals	-	Report	-	-
RxData.net	Understanding Drug Pricing with Machine Learning	-	Report	-	-
Rystad Energy	Ecube	-	-	-	-
Rystad Energy	SERVICE ANALYTICS	-	-	-	-
Rystad Energy	SERVICECUBE	-	-	-	-
Rystad Energy	SHALEWELLCUBE	-	-	-	-
Rystad Energy	Ucube	-	-	-	-
Satellite Imaging Corporation	Geographical Information Systems (GIS) Mapping	-	FTP, DVD media	Images	Satellite, Sensors
Satellite Imaging Corporation	Mining and Mineral Exploration	-	FTP, DVD media	Images	Satellite, Sensors
Satellite Imaging Corporation	Oil and Gas: Exploration and Development	-	FTP, DVD media	Images	Satellite, Sensors
Seer Aerospace	Aircraft Utilization Data	-	Custom	Custom	-
Selarity	Private Context Engine	-	Application	-	Chat and Email
Selarity	Real-time Event Data	-	API, Datafeed	JSON	-
Selarity	Selarity Context	Realtime	Application	-	-
SESAMm	L'Humeur des Marchés Web & API (The Markets Mood)	Tick, Minute, Hourly, Daily, Real Time	Dedicated data-feed, API, Online visuals/reports	CSV, JSON, HTML, Streaming (Web Sockets)	News, Sentiment, ESG, Social Media

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
ShopperTrak	Retail Analytics	-	-	-	Shopper Traffic
SJ Consulting Group Inc.	Industry reports	Quarterly, Annual	Online Visuals, reports	Dashboards/Reports	Expert knowledge
Sky Watch	Earthcache	-	Dashboard platform, API	-	Satellite
Smith Travel	Consulting Services	-	Reports	-	-
Smith Travel	Research	-	Reports	-	-
Smith Travel	Supply and Development	-	Reports	-	-
Social Alpha	Active Traders	Real time	Dashboard, real time alerts	-	Social Media and News
Social Alpha	Financial Institutions	Real time	Dashboards, real time alerts and customer widgets	-	Social Media and News
Social Market Analytics, Inc (SMA)	Activity Feed	Customizable	API	RESTful JSON	Sentiment, Social Media
Social Market Analytics, Inc (SMA)	S-Factor Feed	Second, Minute, Hourly, Daily, Weekly, Monthly, Quarterly, Real Time	API, Online visuals/reports, 3rd party distribution	JSON, CSV, HTML, TXT, CSV	Event detection, Sentiment, Social Media, Macro, Regulatory Filings
Spire	SPACE ADS-B	-	Reports, APIs	-	Satellite, Sensors
Spire	SPIRE OS:ORBITALSERVICES	-	Reports, APIs	-	Satellite, Sensors
Spire	Spire Sense Cloud	-	Reports, APIs	-	Satellite, Sensors
Spire	SPIRE STRATOS	-	Reports, APIs	-	Satellite, Sensors
Statistical Survey	Industry Reports	-	Online visuals/Reports	Dashboard/Reports	Market Research
Statistical Survey	Spotfire	-	Other	-	-
Steel Orbis	Billet & Slab Prices, News and Analysis	Daily, Weekly, Monthly, Yearly	-	-	Business Transactions
Steel Orbis	Hot Rolled Coil Prices, News and Analysis	Daily, Weekly, Monthly, Yearly	-	-	Business Transactions
Steel Orbis	Iron Ore Prices, News and Analysis	Daily, Weekly, Monthly, Yearly	-	-	Business Transactions
Steel Orbis	Rebar Prices, News and Analysis	Daily, Weekly, Monthly, Yearly	-	-	Business Transactions
Steel Orbis	Scrap Prices, News and Analysis	Daily, Weekly, Monthly, Yearly	-	-	Business Transactions
STR	Competitive Benchmarking	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Forecasts	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Industry Trends	-	Dashboard, APIs, Reports	-	Business Transactions
STR	Profit and Loss Reports	-	Dashboard, APIs, Reports	-	Business Transactions
SuperData	The Arcade	-	Online visuals/reports	Dashboard, Reports	Market Research, Expert Knowledge
Tecnion Orbichem	Chem-Foresight	-	Website, Excel Sheet	-	-

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Tecnion Orbichem	Chemical Business Focus	-	Website, Excel Sheet	-	-
Tecnion Orbichem	Chem-Netfacts	-	Website, Excel Sheet	-	-
The Climate Corporation	FieldView	-	Reports, Dashboard Portal	-	Satellite
The Fertilizer Institute	Customizable Data	-	Website, Excel Sheet	-	-
The Fertilizer Institute	Data Snapshots	-	Website, Excel Sheet	-	-
The Fertilizer Institute	Market Dynamics	-	Website, Excel Sheet	-	-
TMT Analysis	Insight	Real time	Online visuals/reports	Dashboard, Reports	Expert knowledge
TMT Analysis	Velocity	Daily, Monthly	Online visuals/reports	Reports	Other (Data from Network providers, phones)
TMT Analysis	Verify	-	Online visuals/reports	Dashboard, Reports	Data from network providers
Tobacco Merchants Assoc Inc.	Economics	-	Website	-	-
Tobacco Merchants Assoc Inc.	News and Media	-	Website	-	-
Tobacco Merchants Assoc Inc.	Public Policy	-	Website	-	-
Tradesparq	Shipment Data	-	Dashboards	-	-
Tribe Dynamics	Utilize Tribe's Comprehensive Competitive Dashboard	-	-	-	-
Tribe Dynamics	Utilize Tribe's Influencer CRM and Campaign Tracking	-	-	-	-
Tribe Dynamics	Utilize Tribe's Proprietary Index of Lifestyle Influencers	-	-	-	-
Triton Research	Corporate Development	-	-	-	-
Triton Research	Systematic and improved asset selection decisions	-	-	-	-
Triton Research	Technology IPO	-	-	-	-
TruValue Labs	Truvalue Data	-	Dashboard	-	-
TruValue Labs	Truvalue Labs	-	Dashboard	-	-
TruValue Labs	Truvalue Platform	-	Dashboard	-	-
Tyco Retail Solutions	Demographic Capture	-	-	-	-
Tyco Retail Solutions	Dwell Analysis	-	-	-	-
Tyco Retail Solutions	Path Analysis	-	-	-	-
Tyco Retail Solutions	Traffic Counting	-	-	-	-
UBS Evidence Lab	UBS Evidence Lab	-	Download	-	-

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Understory	Agriculture	-	Dashboards, Reports	-	Sensors
Understory	Atmosphere	-	Dashboards, Reports	-	Sensors
Understory	Insurance Industry	-	Dashboards, Reports	-	Sensors
Understory	Utility Companies	-	Dashboards, Reports	-	Sensors
URSA	DATA PORTAL	-	-	-	-
URSA	ENERGY ANALYTICS SUITE	-	-	-	-
URSA	On-Demand Intel Reports	-	-	-	-
US Gov. Data	Agriculture	-	CSV, HTML, XLSX	-	Macro
US Gov. Data	CONSUMER	-	CSV, HTML, XLSX	-	Macro
US Gov. Data	Energy	-	CSV, HTML, XLSX	-	Macro
US Gov. Data	FINANCE	-	CSV, HTML, XLSX	-	Macro
US Gov. Data	HEALTH	-	CSV, HTML, XLSX	-	Macro
US Gov. Data	MANUFACTURING	-	CSV, HTML, XLSX	-	Macro
Verto Analytics	Verto Data Feed	Second	Dedicated data-feed	csv/json depending on depth of data requested	Passive metering
Vessel Finder	Historical AIS data	-	-	XLS, CSV, AVI	Satellite
Vessel Finder	Realtime AIS Data	Realtime	API	XLS, JSON,	Satellite
Vessel Finder	Satellite AIS Data	Realtime	API	-	Satellite
VesselsValue	Databases	-	Online Visuals, reports	Dashboards/Reports	Business Transactions
VesselsValue	Map	Real Time	Online Visuals, reports	-	Business Transactions
VesselsValue	Trade	Real Time	Online Visuals, reports	Dashboards/Reports	Expert knowledge
VesselsValue	Value	Daily	Online Visuals, reports	Dashboards/Reports	Business Transactions
Wards Automotive Group Data		Monthly	Dedicated data-feed	-	Business Transactions
Wards Automotive Group Forecasts		Monthly	-	XLS	Expert knowledge
Wards Automotive Group Insights		-	Online Visuals, reports	Dashboards/Reports	Expert knowledge
Windward	Windward Technology Platform	Minute	Dedicated data-feed, API, Email, Online visuals/reports	JSON	Web scraping, Event detection, Geo-location, Expert knowledge, AIS, Coastal Radar, IHS, Weather, Nautical Charts etc
Woodseer / Investment Tools Ltd	Woodseer Dividend Forecast Data	Hourly, Daily	Dedicated data-feed, API, 3rd party distribution	FTP, HTTP, JSON, XLS, CSV	Business Transactions, Expert knowledge, Algorithm+analyst forecasting based on corporate actions historical data
World Bank	DataBank	-	API	CSV	Macro
World Bank	Microdata Library	-	API	CSV	Macro

Alternative Data Directory – Products by Asset Class and Region

Other/Unclassified Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
World Bank	Open Data Catalog	-	API	CSV	Macro
World Bank	Open Finances	-	API	CSV	Macro
World Bank	World Development Indicators	-	API	CSV	Macro
World Bureau of Metal Statistics	World Metal Statistics	-	-	-	-
X-mode	Advertising Technology	Real Time	-	-	Sentiment, Personal data
X-mode	Financial Technology	Real Time	-	-	Sentiment, Personal data, Geo Location
X-mode	Smart Mobility	Real Time	-	-	Geo Location
Yewno	Yewno Edge	Daily	Dashboard	-	-

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
1010 Data	1010connect	-	Dashboard	-	-
1010 Data	1010edge	-	Dashboard	-	-
1010 Data	1010reveal Equity Insights	-	FTP,Email	-	-
1010 Data	1010reveal Fixed Income	-	-	-	-
1010 Data	1010reveal Retail	Monthly	Dashboard,APIs	-	Business Transactions
2iQ	2iQ Insider Model	Real Time	API	CSV, JSON, XML	Business Transactions
2iQ	Fundamental Investors	Real Time	API	CSV, JSON, XML	Business Transactions
2iQ	Quantitative Investors	Real Time	API	CSV, JSON, XML	Business Transactions
Aclima	Environmental intelligence	-	-	-	-
Activ Financial	ActivFeed	Real time	DataFeed	-	-
Activ Financial	ActivFeed Direct	Real time	DataFeed	-	-
Activ Financial	ActivWorkStation	Real time	API	CSV	-
Activ Financial	MPU Gen3 (FPGA)	Real time	API, DataFeeds	-	-
Almax Information Systems	Almax data service	Daily	API	-	-
Amee	AMEE MONITOR	-	Dashboard	CSV	-
Amee	CRC Compliance	-	API	-	-
Amee	Data Platforms	-	API	-	-
Amee	Supply Chain	-	Dashboard	-	-
Amenity Analytics	Amenity viewer	-	-	-	-
AreaMetrics	Products for marketers and brands	Daily	API	Custom Data Sets	Consistent panel size of over 10 million Monthly Active Users (MAUs)
AreaMetrics	Transparent App Monetization	Real time	API	S3, SFTP	Mobile SDK
Associated Press	ADVERTISE WITH US	-	API	Streaming	Social Media
Associated Press	AP CONTENT SERVICES	Real Time	Media Distribution	Streaming	-
Associated Press	AP ENPS NEWS PRODUCTION SYSTEM	-	API	-	-
Associated Press	LIVE AND LOCATION SERVICES	Real Time	-	-	-
Associated Press	PLANNING AND MEDIA TOOLS	Real time	Dashboard	Metadata	-
Australian Associated Press	AAP Publish	Real Time	Online visuals/reports	-	News

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Australian Associated Press	Commissioned Content	Real Time	Online visuals/reports	-	News
Australian Associated Press	Digital Screens	Real Time	API	-	News
Australian Associated Press	Graphics	Real Time	Online visuals/reports	-	News
Australian Associated Press	Medianet for Journalists	Real Time	Online visuals/reports	-	News
Barchart	Dashboard	Real time	API, Email	TXT	-
BayStreet Research	Insights	Real time	API	Reports	Expert Knowledge
BayStreet Research	Smartphone Sell-Through Data	-	API	Reports, CSV	-
Benzinga	Financial APIs	-	API	-	-
Big Finance	Big Finance Data Platform	-	Dashboard, FTP, Email, APIs	-	Business Transactions
Big Finance	S.Korea Trade Data	-	Dashboard, FTP, Email, APIs	-	Business Transactions
Big One Lab	Diverse Alternative Data Sources	-	-	-	Web scraping
Bluefire AI	ASSET INTELLIGENCE	-	-	-	-
Brain Company	BRAIN MACHINE LEARNING STOCK RANKING	Daily	-	-	Sentiment
Brain Company	BRAIN MARKET SENTIMENT	-	-	-	Sentiment
Brain Company	BRAIN SENTIMENT INDICATOR	-	-	-	Sentiment
Brain Company	BRAIN THEMATIC BASKETS	-	-	-	Sentiment
Brain Company	RISK ON / RISK OFF SIGNALS	Daily	FTP, APIs	CSV	Expert knowledge
BrandWatch	Brandwatch Analytics	Real Time	Dashboard	-	Social Media
BrandWatch	ForSight	-	Dashboard	-	Social Media
BrandWatch	HelioSight	-	Dashboard	-	Sentiment
BrandWatch	Vizia	Real Time	Dashboard	-	Social Media
BvD	Credit Catalyst	-	Dashboard	-	Business Transactions
BvD	Fame	-	-	-	Business Transactions
BvD	Orbis	-	Dashboard	-	Business Transactions
BvD	TP Catalyst	-	-	-	Business Transactions
BvD	zephyr	Hourly	-	-	Business Transactions
Civic Science	Depth	-	-	-	Sentiment

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Civic Science	Foresight	-	-	-	Sentiment
Civic Science	Speed	-	Reports	-	Sentiment
ClimaCell	CBAM	-	-	-	-
ClimaCell	Consumer App	-	API	-	-
ClimaCell	Hypercast	-	-	-	-
Comscore	Analytics and Optimization	-	Reports	-	Sentiment
Comscore	Movies Reporting and Analytics	-	Reports	-	Sentiment
Comscore	Ratings and Planning	-	Reports	-	Sentiment
Conversant	Digital Marketing	-	Dashboard	-	-
CoreLogic	Case-Shiller	-	Dashboard Portal	-	Business Transactions
CoreLogic	CoreLogic HPI	Daily	Dashboard Portal	-	Business Transactions
CoreLogic	ListingTrends	Monthly	Dashboard Portal	-	Business Transactions
CoreLogic	Marketrac	-	Dashboard Portal	-	Business Transactions
CoreLogic	Matrix 360	-	Dashboard Portal	-	Business Transactions
CoreLogic	Realist	-	Dashboard Portal	-	Business Transactions
CoreLogic	RealQuest	-	Reports, Dashboard Portal	-	Business Transactions
CounterpointResearch	Research Portal	-	Dashboard Platform, Reports	-	News, Expert Knowledge
CQG	CQG Desktop	Real Time	HTML	-	Business Transactions
CQG	CQG FX	Real Time	-	-	Business Transactions
CQG	CQG Integrated Client	Real Time	-	-	Business Transactions
CQG	CQG QTrader	Real Time	API, Mobile App	-	Business Transactions
CQG	CQG Spreader	Real Time	-	-	Business Transactions
Crunchbase	Crunchbase Enterprise	-	API	CSV	-
Crunchbase	Crunchbase Pro	Real Time	API	CSV	-
Crunchbase	Customer stories	-	-	-	-
Crunchbase	Data Licensing	-	API	CSV	-
Crunchbase	Data Partners	-	-	-	-
Data Discovery Studio	GeoPortal	-	Weblink	ISO XML, JSON, Metadata, Images	Satellite, Sensors
data.world	Govern & Access	-	APIs	-	Other
data.world	Knowledge Graph	-	APIs	-	Other
data.world	Unite & Discover	-	APIs	-	Other
Datarama	Datarama Platform	-	Dashboard	-	Business Transactions
Datarama	Risk Consulting	-	Reports	-	Expert knowledge

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Datarama	Wealth Finder	-	Dashboard	-	Business Transactions
DataStreamX	Data Solutions	-	-	-	-
DataWeave	Assortment Intelligence	-	Dashboard, FTP, Email, APIs	-	Web scraping
DataWeave	Pricing Intelligence	-	Dashboard, FTP, Email, APIs	-	Web scraping
DataWeave	Promotional Insights	-	Dashboard, FTP, Email, APIs	-	Web scraping
Dawex	Data Exchange Platform	-	-	-	-
Dawex	Global Data Marketplace	-	-	-	-
DemystData	DemystHub	-	API	-	Business Transactions
DemystData	DemystLabs	-	API	-	Business Transactions
DemystData	DemystLive	-	API	-	Business Transactions
Dun and Bradstreet (formerly Avention)	D&B Country Insight Solutions	-	Dashboards	-	Business Transactions
Dun and Bradstreet (formerly Avention)	D&B Credit Platform	-	Dashboard, FTP, Email, APIs	-	Business Transactions
Dun and Bradstreet (formerly Avention)	D&B Direct for Finance	Realtime	APIs, Dashboard	-	Business Transactions
Dun and Bradstreet (formerly Avention)	D&B Enterprise Risk Assessment Manager	-	Dashboard, FTP, Email, APIs	-	Business Transactions
Dun and Bradstreet (formerly Avention)	D&B® Portfolio Risk Manager for DNBI	-	Reports, Dashboard Portal	-	Business Transactions
Dun and Bradstreet (formerly Avention)	DNBI Risk Management	-	-	-	Business Transactions
Eagle Alpha	Data Analytics	-	-	-	-
Eagle Alpha	Data Sourcing	-	-	-	-
Eagle Alpha	Data Strategy	-	-	-	-
Eagle Alpha	Search Term Management Tool	Frequency defined by the user.	Cloud interface for Google Trends search term download strategy management.	Simple python based endpoint and direct SQL queries.	Online Search
Ecdataway	Brand Marketing Research	-	API	-	-
Ecdataway	channel Management	-	API	-	-
Ecdataway	Info Master All Channels Version	-	API	-	-
EIDOSearch	Equities	-	Reports, Dashboard Portal	-	Social Media
EIDOSearch	Global Macro	-	Reports, Dashboard Portal	-	Business Transactions
EIDOSearch	Options	-	Reports, Dashboard Portal	-	Business Transactions
EIDOSearch	Portfolio and Risk	-	Reports, Dashboard Portal	-	Business Transactions
EIDOSearch	Quantitative	-	Reports, Dashboard Portal	-	Business Transactions

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Eilers & Krejcik Gaming	Company Research	-	Reports	-	Business Transactions
Eilers & Krejcik Gaming	Consulting Services	-	Reports	-	Business Transactions
Eilers & Krejcik Gaming	Market Research	-	Reports	-	Business Transactions
Entgroup	Daily Box Office	Daily	API, Dashboard	-	-
Entgroup	News	Real time	API	Reports	-
ENVERUS	Data Genic	-	Dashboard	-	-
ENVERUS	DI Analytics	-	Dashboard, FTP, Email, APIs -		Business Transactions, Satellite
ENVERUS	Market Research	-	Reports	-	Business Transactions
ENVERUS	Market View	-	Dashboard, APIs	-	-
ENVERUS	Rig Analytics	Daily/Real time	Dashboard, FTP, Email, APIs -		Business Transactions, Satellite
Epsilon	Data	-	Dashboard	-	-
Epsilon	Marketing Technology	-	Dashboard	-	-
eSignal	eSIGNAL SIGNATURE	Real Time	Online visuals/reports, Email, Other	-	Business Transactions
eSignal	MARKET SCREENER PLUS+	Real Time	-	-	Business Transactions
eSignal	OPTIONS ANALYTIX	Real Time	-	-	Business Transactions
EventVestor	Alpha Events	-	API	-	-
EventVestor	EventVestor	-	API, FTP	CSV, XML	-
Exerica	FINANCIAL ANALYSIS	-	API, Reports	CSV	Exerica's Cloud Database for Non Public Reports and Public Reports
FactSet	Alternative Data	-	Dashboard, FTP, Email, APIs -		-
FactSet	Core Company Data	-	Dashboard, FTP, Email, APIs -		-
FactSet	Event-Driven Data	-	Dashboard, FTP, Email, APIs -		News, Event detection
FactSet	Market Data	-	Dashboard, FTP, Email, APIs -		Business Transactions
FactSet	News & Research	Realtime	Dashboard, FTP, Email, APIs -		News, Reports, Event detection
Finadium	N-PORT Analytics	-	Dashboard, Reports	-	Business Transactions
Finadium	US Mutual Funds and ETFs in Securities Lending Analytics	-	Dashboard	-	Business Transactions
Finweavers	Data	-	API	-	-
First Data SpendTrend	Analytics & Reporting Solutions	-	API	HTML, TXT	DataChoice®
First Data SpendTrend	Clover® Gift Cards	Real time	API	Digital, Plastic Gift Cards	-

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
First Data SpendTrend	Clover® Insights	-	API	-	Business Transactions
First Data SpendTrend	Clover® Rewards	Real time	API	-	-
First Data SpendTrend	Clover® Security	Real time	API	-	Event Detection
FN Arena	Corporate Results Monitor	-	Online Visuals/Reports	HTML	News
FN Arena	Pitt Street Research	-	Reports	-	Expert Knowledge
FN Arena	The Short Report	-	Reports	HTML	Australian Securities and Investments Commission (ASIC)
Foursquare	Attribution	-	Reports	-	-
Foursquare	Pilgrim SDK	Real Time	API	-	-
Foursquare	Pinpoint	Real Time	API	-	-
Foursquare	Places	Real Time	API	-	-
Foursquare	Visit	-	API	-	-
Geocento	Drones Imagery	-	Dashboard, FTP, Email, APIs	-	Satellite, Sensors
Geocento	Image analytics	-	Dashboard, FTP, Email, APIs	-	Satellite, Sensors
Geocento	Satellite imagery	-	Dashboard, FTP, Email, APIs	-	Satellite, Sensors
Geospatial Insight	DroneWatch	Real time	API	Streaming	Satellite
Geospatial Insight	EvenTrac	Daily	API	-	Satellite
Geospatial Insight	PropertyView	-	API	-	Satellite
Geospatial Insight	RetailWatch	Weekly, Daily	API	CSV	Satellite
Geospatial Insight	TankWatch	Weekly	API	Reports	Sensors, Satellite
GfK Boutique Research	Consumer Insights	-	-	-	-
GfK Boutique Research	Consumer Panel	-	-	-	-
GfK Boutique Research	Distribution and Supply Chain Management	Daily	-	Other - pricing dynamics	-
GfK Boutique Research	Geomarketing	-	-	-	-
GfK Boutique Research	Point of sales tracking	Weekly	-	API	-
GuidePoint (including Quanton Data)	Guidepoint Insights	-	Dashboard	-	Expert knowledge
GuidePoint (including Quanton Data)	Guidepoint survey	-	Dashboard	-	Expert knowledge
HFR	Hedge Fund Industry Reports	Quarterly	Reports	-	News, Expert Knowledge
HFR	HFR Database	-	Web user interface	-	-
Intelius	Background Check	-	Website	-	Personal Data
Intelius	People Directory	-	Website	-	Personal Data

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Intelius	Public Records	-	Website	-	Personal Data
Intrinio	Foundation	Real Time	-	CSV, JSON	-
Intrinio	Prophet	-	-	-	-
Intrinio	vantage	-	API	CSV	-
iResearch	Consumer Goods	-	-	-	-
iResearch	Gaming	-	-	-	-
iResearch	Investment Advisory	-	-	-	-
iResearch	Retail/E-commerce	-	-	-	-
iResearch	Travel	-	-	-	-
IT Finance	Charting solutions	Real Time	-	-	Business Transactions
IT Finance	Mobile solutions	Real Time	-	-	Business Transactions
IT Finance	Trading platforms	Real Time	-	-	Business Transactions
IT Finance	Ultra low latency datafeeds	Real Time	-	-	Business Transactions
JustData	Data Service	Daily	-	-	Business Transactions
JustData	Trading Software	Daily	-	-	Business Transactions
Knoema	INDUSTRY DATA BRIEFS	-	Reports	PDF	Other
Knoema	World Data Atlas	-	-	-	Satellite, Sensors
Landsat	Landsat on AWS	-	-	-	Satellite, Sensors
LexisNexis	Banko	-	Dashboard, APIs	-	Personal Data
LexisNexis	FICO® Score XD	-	Dashboard, APIs	-	Personal Data
LexisNexis	FraudPoint	-	Dashboard, APIs	-	Personal Data
Liquidnet	Equity trading solutions	-	-	-	-
Liquidnet	Fixed income solution	-	-	-	-
Liquidnet	Investment professionals analytics	-	-	-	-
Lota Data	CityDash.ai	-	Dashboard	-	-
Lota Data	GeoDash.ai	Real Time	API, Dashboard	-	-
Lota Data	GeoX.ai	-	Dashboard	-	-
Markit Securities Finance Hosted Risk Services	Hosted Risk Services	Daily	Reports, Dashboard Portal, APIs	-	Business Transactions
Markit Securities Finance	Investment Research: Evaluation Solutions	Daily	Reports, Dashboard Portal, APIs	-	Business Transactions
Markit Securities Finance	Trading Analytics	Daily	Reports, Dashboard Portal, APIs	-	Business Transactions
MasterCard Advisors	Acquirer Intelligence	-	Dashboard	-	Business Transactions

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
<u>Center (AIC)</u>					
MasterCard Advisors	Advanced Investment Management (AIM)	-	Dashboard	-	Business Transactions
MasterCard Advisors	Mastercard Intelligence Center (MIC)	-	Dashboard	-	Business Transactions
MasterCard Advisors	Small Business Decision Enhancer (SBDE)	-	Dashboard	-	Business Transactions
Meltwater	Intelligence	-	Dashboard, Reports	-	Social Media
Meltwater	Marketing	-	Dashboard, Reports	-	Social Media
Meltwater	PR & Communications	-	Dashboard, Reports	-	Social Media
Metricle	Contextual Sentiment API	-	Dashboard, APIs	-	Sentiment, News, Social Media
Metricle	Stockmeme	-	Dashboard, APIs	-	Sentiment, News, Social Media
Metro Study	Builders & Developers	-	Reports	-	Expert Knowledge
Metro Study	Financial Institutions	-	Reports, API	-	Expert Knowledge
Metro Study	Retail	-	API	-	Expert Knowledge
MiDiA Research	Research and Data Platform	Monthly	Reports, Dashboard Portal	-	Expert Knowledge, News
MKT Mediastat	Earnings prediction technology	-	Reports	-	Expert Knowledge
MKT Mediastat	Media Confidence Index	-	Reports	-	Expert Knowledge, News
MKT Mediastat	Media Derived Indicators	Daily	Reports	-	Expert Knowledge, Sentiment
Moody's Analytics	Data Visualization	-	Dashboard	-	Business Transactions
Moody's Analytics	Economic Data	-	Dashboard, FTP, Email, APIs	-	Macro
Moody's Analytics	Financial Data	Realtime	Dashboard, FTP, Email, APIs	-	Business Transactions
Moody's Analytics	Performance Data	Monthly	Dashboard, FTP, Email, APIs	-	Business Transactions
Moody's Data Alliance	Data Alliance	-	API	-	Personal Data, Transactions'
MorningStar	Morningstar Data	-	Dashboard, FTP, Email, APIs	-	Business Transactions
MorningStar	Morningstar Indexes	-	Dashboard, FTP, Email, APIs	-	-
MorningStar	Morningstar Research	-	Reports	-	Expert knowledge
Narrative.io	Acquire	-	Dashboard Portal	-	-
Narrative.io	Distribute	-	Dashboard Portal	-	-
Neudata	neudata scout	-	-	-	Business Transactions
Newscred	Content Marketing	-	Dashboards, Reports	-	News
Newscred	Integrated Marketing	-	Dashboards, Reports	-	News
Newswhip	Content Intelligence for	-	Dashboards	-	News, Sentiment, Social

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
	<u>Brands</u>				Media
<u>Newswhip</u>	<u>Media Solutions</u>	-	Dashboards	-	News, Sentiment, Social Media
<u>Newswhip</u>	<u>Predictive PR</u>	-	Dashboards	-	News, Sentiment, Social Media
<u>NPD</u>	<u>Analytic Solutions</u>	-	Report	-	Business transactions, Expert Knowledge
<u>Omega Point: a PM platform with AI intelligence</u>	<u>AI-Based Insights</u>	-	API	-	-
<u>Omega Point: a PM platform with AI intelligence</u>	<u>Market Aware Indices</u>	-	API	-	-
<u>Omney Data</u>	<u>Specialty Retail Tracking Data</u>	3 Weekly	API	-	Web Scraping
<u>One Click Retail</u>	<u>Amazon Dashboard</u>	Weekly	Dashboard Portal, Reports	-	Business transactions, Expert Knowledge
<u>OPPNADATA</u>	<u>Open Data</u>	-	API	CSV	Government Agencies Data
<u>Optimum Complexity</u>	<u>Proprietary algorithm</u>	-	Reports	-	Expert Knowledge
<u>Oregon state data (U.S.)</u>	<u>Oregon Geospatial Data</u>	-	-	-	-
<u>Oregon state data (U.S.)</u>	<u>Public Meeting Calendar</u>	-	-	-	-
<u>Panjiva</u>	<u>Global Trade Intelligence Platform</u>	-	Dashboard	HTML	Business Transactions
<u>Panjiva</u>	<u>Technology</u>	-	Dashboard	HTML	Business Transactions
<u>Predata</u>	<u>Predata platform</u>	-	API, Online Visuals	HTML	Online Metadata
<u>Pro Publica</u>	<u>ProPublicaDatastore</u>	-	APIs	-	Web Scrapping
<u>Prosper Insights & Analytics</u>	<u>Custom InsightCenter</u>	-	Dashboard Platform	-	Consumer Surveys, Expert Knowledge
<u>QL2</u>	<u>RivalMatch</u>	-	-	-	Expert Knowledge, News
<u>QL2</u>	<u>RivalWatch Analytics</u>	-	-	-	Expert Knowledge, News
<u>Quandl</u>	<u>Alternative Data</u>	-	FTP, APIs	-	-
<u>Quandl</u>	<u>Core Financial Data</u>	-	FTP, APIs	-	-
<u>Quexopa</u>	<u>Managed Data Sets</u>	-	API	-	Proprietary Research
<u>RCMD</u>	<u>Variable Search</u>	-	-	CSV	-
<u>Research Data Australia</u>	<u>Grants</u>	-	-	-	Other
<u>Research Data Australia</u>	<u>Open Data</u>	-	-	-	Other
<u>Research Data Australia</u>	<u>Services and Tools</u>	-	-	-	Other
<u>Reveal Mobile</u>	<u>Visit Data</u>	-	Dashboard Platform	-	Geo-location
<u>Reveal Mobile</u>	<u>Visit Local</u>	-	Dashboard Platform	-	Geo-location

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
Reveal Mobile	Visit Match	-	Dashboard Platform	-	Geo-location
RS Metrics	GREAT (Global real-time monitoring and alert system)	-	Web Portal	-	Satellite, Sensors
RunningAlpha	Capital Market Trends	-	Dashboard Platform	-	Sentiment
RunningAlpha	Focus 15	-	Dashboard Platform	-	Sentiment
RunningAlpha	Grid 100	-	Dashboard Platform	-	Sentiment
RVIA	Reports & Trends	Monthly	Reports	-	Macro, News
S&P Global	Crisil	-	Dashboard, FTP, Email, APIs	-	Ratings
S&P Global	S&P Dow Jones Indices	-	Dashboard, FTP, Email, APIs	-	Business Transactions
S&P Global	S&P Global Market Intelligence	-	Dashboard, FTP, Email, APIs	-	Business Transactions
S&P Global	S&P Global Platts	-	Dashboard, FTP, Email, APIs	-	Business Transactions
S&P Global	S&P Global Ratings	-	Dashboard, FTP, Email, APIs	-	Ratings
Safegraph	Safegraph Data Bar	-	Web user interface	-	Satellite
Semlab	Anonymization	-	-	-	-
Semlab	DocChain	-	-	-	-
Semlab	Equity event tweets	-	-	-	-
Semlab	MyHealth	-	-	-	-
Semlab	ViewerPro - Semantic Analysis	-	-	-	-
Sensor Tower	Ad Intelligence	-	Dashboard Platform, Reports	-	-
Sensor Tower	App Intelligence	-	Dashboard Platform, Reports, API	-	-
Sensor Tower	Store Intelligence	-	Dashboard Platform, Reports	-	-
Sequentum	CG Enterprise	-	Software, API	CSV, JSON, XML, SQL, Apache Parquet	Web Scraping
Sequentum	Data Extraction Services	-	Web portal	-	Web Scraping
Sharablee	Affinity	-	Dashboard Platform	-	Social Media, Expert knowledge
Sharablee	Partnership Explorer	-	Dashboard Platform	-	Social Media, Expert knowledge
Sharablee	Verify	-	Dashboard Platform	-	Social Media
Short Trends Data	Short Selling Data and Analytics	Daily	Dashboard, Datafeed	-	-
Signal.co	Customer Identity Platform	-	Report, Dashboard portal	-	Social Media
Skydeo	Alternative Data	-	API	-	-
Skydeo	Auto Advertising &	-	API	-	-

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
<u>Analytics</u>					
Skydeo	Enrich Customer Profiles	-	API	-	-
Skydeo	Media Planning	-	API	-	-
SmarterWorks	IT Consulting and Business Services	-	Emails	-	News
Standard Media Index	Advertising Spend Data	-	API	Reports	Business Transactions
Statista	Business Plan Export	-	Dashboard	-	-
Statista	Consumer Market Outlook	Real Time	-	-	-
Statista	Country Outlook	-	-	-	-
Statista	Digital Market Outlook	Real Time	-	-	-
Statista	Mobility markets	Real Time	-	-	-
Thomson Reuters	AI predictions	Daily, Real Time	Dashboard, FTP, Email, APIs	-	News, Sentiment
Thomson Reuters	Reuters Connect	Daily, Real Time	Dashboard, FTP, Email, APIs	-	News, Sentiment
Thomson Reuters	Reuters Graphics	Daily, Real Time	Dashboards	-	-
Tigergraph	GraphStudio	-	Web user interface	-	-
Tigergraph	TigerGraph DB	-	Web user interface	-	-
Tipranks	Tipranks	-	Web user interface	Excel, Dedicated datafeed, API	News, Sentiment, Ratings
TVeyes	TVEyes Page Feed	-	API	Data Feed	-
TVeyes	TVEyes Partner Program	-	API	-	-
TXN	TXN Web Application	-	API	-	Transaction Data
Uber Media	Mobile Location Data	-	API	-	Geo-Location
Uber Media	The Vista Platform	-	API, Datasets, Interactive Reports	-	Ratings, Geo-Location
Unmetric	Analyze Branded Content	-	Dashboard	CSV	Social Media
Unmetric	Discover Branded Content	-	Online Visuals/Reports, API	-	Web Scraping
Unmetric	Track Branded Content	-	API	TXT	Social Media
Urthecast	Diverse data offerings	-	APIs, Dashboard	Images, Videos	Satellite, Sensors
Urthecast	OptiSAR	Real Time	APIs, Dashboard	-	Satellite, Sensors
Urthecast	UrtheDaily	Real Time	APIs, Dashboard	-	Satellite, Sensors
US Gov. Data	MARITIME	-	CSV, HTML, XLSX	-	Macro
US Gov. Data	SCIENCE & RESEARCH	-	CSV, HTML, XLSX	-	Macro
Vestdata	Accipio	-	Data-feeds	Daily, Weekly, Monthly	-
VisualDNA	Marketing Services	-	-	-	-

Alternative Data Directory – Products by Asset Class and Region

All Asset Classes

Company Name	Product Name	Frequency	Delivery	Format	Source
WDZJ.com	Platform Data	-	Online Visuals/Reports	-	Business Transactions
Webhose.io	Blog Search API	Real time	API	JSON, XML	Web Scraping
Webhose.io	Dark Web Data Feed at Scale	Real time	API	JSON, XML	Web Scraping
Webhose.io	News API Data Feeds	-	API	-	News
Webhose.io	Online Discussions Data Feed	-	API	JSON, XML	Web Scraping
Webhose.io	Online Reviews API	-	API	JSON, XML	Web Scraping
Wharton Research Data Services (WRDS)	The WRDS Cloud	-	FTP, APIs	-	-
Wind	Wind Data Service	Real Time	FTP, Email	-	Business Transactions
Wind	Wind Economic Database	Daily	Reports, Dashboard Portal, APIs	-	Business Transactions
Wind	Wind Financial Terminal	Daily	Reports, Dashboard Portal, APIs	-	Business Transactions
Wiser Solutions	Pricing Intelligence	-	Dashboard Platform	-	-
Wiser Solutions	Retail Auditing	-	Dashboard Platform	-	Crowdsourced datasets

Alternative Data Directory – Vendors by Data Source

Alternative Data Vendors by Data Source

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Alternative Data Directory – Vendors by Data Source

Data from Individual Activities

Social Media

Investment professional social media

Company Name	Asset Class	Company Description
GNIP	Equity	Gnip has partnered with StockTwits to create a product in order to bring social finance conversation to market – in both real-time and historical tailored to Hedge Funds and Traders.
RelationshipScience	Financials	RelSci provides real-time, people-driven intelligence on over 9 million influential decision makers and over 1.7 million organizations across the public, private, financial and nonprofit sectors. Clients receive 360° Alert emails so they can stay current with the ones that matter most to them.
Scutify	Equity	Scutify is Social Network for Investors, Sentiment derived from post can be used by traders or anyone new to the markets. It can be used as an educational tool to learn more about the markets.
StockTwits	Equity	StockTwits is the leading financial communications platform for the investing community. More than 300,000 investors, market professional and public companies share information, ideas about the market and individual stocks using StockTwits, producing streams that are viewed by an audience of over 40 million across the financial web and social media platform.
SumZero	Equity	SumZero is the world's largest community of investment professionals working at hedge funds, mutual funds, and private equity funds. With more than 12,000 pre-screened professionals collaborating on a fully-transparent platform, SumZero fosters the sharing of thousands of proprietary investment reports every year, and offers several ancillary services in support of that effort. These free services include capital introduction services, buy side career placement services, media placement, and more.
TrustedInsight	Equity	Trusted Insight is the world's biggest network of institutional investors. Connect investment decision-makers at endowments, foundations, pensions, insurance companies, sovereign wealth funds, family offices, corporations and healthcare systems. Provide institutional investors with access to a global professional network, alternative investment opportunities and an informational advantage in private markets.

Blogs, picture and video analytics

Company Name	Asset Class	Company Description
Accern	Equity	Trading alerts and analytics are derived from relevant finance-related news processed on over 300 million public news websites, blogs, social media websites such as Twitter, and public financial documents such as SEC filings. Accern primarily serves institutional investors and majority of current clients are quantitative hedge funds. They attract small firms because of flexible and affordable pricing options and large firms due to dedicated support, news source customization, and much more. Aside from hedge funds, existing clients include pension and endowment funds, banks, brokerage firms, and more.
Alphamatician	Real Estate, Equity	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. Alphamatician also covers thousands of privately held companies and individual brands. Alphamatician provides FaceBook, Instagram, E Commerce, Brower Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps, and Promotional Activity data.
DataSift	Equity	DataSift's platform connects to real-time feed of social data including Facebook topic data, uncovers insights with sophisticated data augmentation, filtering and classification engine, and provides the data for analysis with the appropriate privacy protocol required by the data sources. It does analysis on data sources like Bitly, Blogs, Boards, Daily Motion, Disqus, FB, Instagram, IMDB, Intense Debate, LexisNexis, NewsCred, Reddit, Topix, Tumblr, Videos, Wikipedia, Wordpress, Yammer and YouTube. They get data from Edgar Online, Wikipedia and Wordpress.
Entgroup	Equity & All Asset Classes	Data and research reports on Chinese entertainment industry, including box office and survey data.
MIDIA Research	All Asset Classes	MIDIA Research is an analysis, data and research company that focuses on the intersection of media and technology, specialising in music, video, media, sports, telco and brands

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
MixRank	Equity	Data-driven sales and marketing. MixRank tracks your customers so you don't miss an opportunity.
Sharablee	All Asset Classes	Sharablee provides data-driven analysis to empower marketers to discover social influencers. It aggregates all social pages to assess social presence for brands.

Social network sentiment

Company Name	Asset Class	Company Description
Accern	Equity	Trading alerts and analytics are derived from relevant finance-related news processed on over 300 million public news websites, blogs, social media websites such as Twitter, and public financial documents such as SEC filings. Accern primarily serves institutional investors and majority of current clients are quantitative hedge funds. They attract small firms because of flexible and affordable pricing options and large firms due to dedicated support, news source customization, and much more. Aside from hedge funds, existing clients include pension and endowment funds, banks, brokerage firms, and more.
Alphamatician	Real Estate, Equity	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. Alphamatician also covers thousands of privately held companies and individual brands. Alphamatician provides FaceBook, Instagram, E Commerce, Browser Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps, and Promotional Activity data.
Dataminr	Commodity, Equity	Dataminr transforms real-time data from Twitter and other public sources into actionable alerts, identifying the most relevant information in real-time for clients in Finance. Dataminr's strategic partnership with Twitter includes real- time access to all public tweets and distills over 500 million tweets a day to the handful of signals. It classifies signals based on geo-location, topic relevancy and market moving implications and ranks them by level of urgency.
DataSift	Equity	DataSift's platform connects to real-time feed of social data including Facebook topic data, uncovers insights with sophisticated data augmentation, filtering and classification engine, and provides the data for analysis with the appropriate privacy protocol required by the data sources. It does analysis on data sources like Bitly, Blogs, Boards, Daily Motion, Disqus, FB, Instagram, IMDB, Intense Debate, LexisNexis, NewsCred, Reddit, Topix, Tumblr, Videos, Wikipedia, Wordpress, Yammer and YouTube. They get data from Edgar Online, Wikipedia and Wordpress.
Descartes Labs	Commodity, Agriculture	Descartes Labs has full imagery archives (some including data only a few hours old) from hundreds of satellites. The Descartes Platform is built to ingest virtually any kind of data, including satellite , weather data, commodity price histories, web crawls, and sentiment analysis from social media networks.
iSentia	Equity & All Asset Classes	Mediaportal is the cloud-based platform that delivers your news as it happens across any and all channels, providing live updated analytics, keeping you connected via a constantly updated media database.
iSentium	Equity	iSense App transforms over 50 million Twitter messages per hour into a real- time sentiment time series. It is effectively a sentiment search engine which provides investors with a quick way to judge the potential market impact of a tweet, a news article, or other buzz discussed on social media. Daily Directional Indicators (DDI) has shown that social media sentiment is a strong indicator of market conditions.
Knowsits	Equity, ETF, Commodity, FX and Fixed Income	Knowsits is a web intelligence company using cutting edge natural language processing and data science to extract value from non-traditional online sources into quantifiable and actionable output for the capital markets. Enhance trading strategies and risk management with statistically significant insights from social media data. They cover cross assets (Equities, Equity Indices, ETFs, Commodities, FX and Fixed Income) with intraday to end-of-
Lexalytics	Equity	Lexalytics processes billions of unstructured documents globally every day. It translates text into profitable decisions; makes state-of-the-art cloud and on- premise text and sentiment analysis technologies that transform customers' thoughts and conversations into actionable insights. The on-premise Salience® and SaaS Semantria® platforms are implemented in a variety of industries for social media monitoring, reputation management and voice of the customer programs.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
LikeFolio	Equity	Likefolio provides behavioral insights on brands, using the brand Mapping Database and direct partnership with Twitter allowing reception and analysis of every tweet about brands and products owned by public companies
ListenFirst	Equity	ListenFirst utilizes billions of consumer signals across tens of thousands of brands from every social channel providing brands with the most complete view of their customer and performance, analytics to drive business outcomes, and insights to guide decision-making across the enterprise.
Lucena Research	Equity	Lucena integrates cross discipline experts in quantitative finance, data science and software development utilizing alternative data solutions and machine learning platform to leverage predictive analytics for investment decision making.
MatterMark	Equity	MatterMark is a data platform to search companies and investors to effortlessly create actionable lists of leads. MatterMark monitors trends in team size, web traffic, media mentions, and more.
Meltwater	All Asset Classes	Meltwater covers for Print, TV, Radio, Online News and Social Monitoring in real-time. Beyond monitoring, Media Database, Engagement tools and local expertise help action and amplify the activity, all-in-one place.
Metrcle	All Asset Classes	Converts the real-time twitter stream into a robust financial web terminal, which leverages the companies proprietary Natural Language Processing (NLP) Engine to algorithmically curate the data-stream and extract signal from noise, all within milliseconds. The terminal also integrates the companies proprietary sentiment engine, which provide real-time sentiment per ticker, with 1-minute resolution
Scoop Analytics	Financials	Scoop Analytics analyzes tweets to identify a breaking news story before it hits the mainstream.
Sentiment Trader	Equity, Bond, FX , ETF and Commodity	Sentiment trader has over 300 Sentiment Surveys, Social Sentiment and other indicator for Equities, Bond, Currencies, ETFs and commodities. They have created models, with time frames between intraday and weekly, that aggregate many of their sentiment indicators.
ShareThis	Equity	The ShareThis consumer engagement and sharing tools are used by publishers to drive engagement, traffic and personalization, capturing the widest and deepest sentiment of people across the internet. These sentiment flows into the ShareThis platform as terabytes of data that is processed daily to better understand people, making social data actionable for any business that requires a holistic view of people or customers.
Signal.co	All Asset Classes	Signal is the only comprehensive solution that brings your brand's data all together: use unique identifiers to connect disjointed profiles - from online and offline sources - to create a holistic view of each and every customer. Your identity graph evolves in real time and moves at the speed of commerce.
Social Alpha	Equity, ETF	Social Alpha offers social analytics factor feeds, dashboards, real time alerts and custom widgets to financial institutions, day and prop traders, swing and trend traders, event-driven and system traders. Active Traders get the same sophisticated analytics used by our hedge fund and broker-dealer clients, at a cost scaled to the size of watch list. Cover all U.S.-listed stocks and ETFs and can supply multiple years of historical data for analysis, system development and back-testing.
Social Market Analytics	Equity	Social Market Analytics harness unstructured yet valuable information embedded in social media streams and provide actionable intelligence in real time to clients. SMA's analytics generate high signal data streams based on the intentions of professional traders. Data is unique in that we have over four years of out-of-sample data which cannot be recreated given a user's ability to delete tweets at a later time. Dashboard provides a real-time contextual view of the social media conversation. SMA identifies viral topics quickly, provides account credibility rankings, and offers instantaneous evaluation of tweets.
TheySay	Equity	TheySay Analytics tools provide Sentiment Analysis. Apart from positive, negative and neutral they have many classifications such as emotion, humour, gender, risk, speculation, and even sarcasm. Services include Social Media Monitoring, Digital media monitoring, Stock Market Sentiment Monitoring, Sentiment Analysis API, Secure Installations, Bespoke Classifiers, Emotion Analysis and Topic Detection.
Trackur	Equity	Trackur offers affordable social media monitoring tools for individuals, small companies, large corporations & agencies. Full monitoring of all social media and mainstream news, including Twitter, Facebook, Google+ and more. Provides executive insights including trends, keyword discovery, automated sentiment analysis & influence scoring.
TYR Data	Equity & All Asset Classes	Tyr Data provides alternative and market sentiment data to quant, quantamental, and fundamental investors.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
Zhiwei Data	Equity	Chinese sentiment provider covering social media and news.

News and Reviews

Mobile data content and reviews

Company Name	Asset Class	Company Description
7Park	Equity	7Park provides clarity into your investments with 1) Traffic Intelligence - Tracks global panel of over 100+ million internet and mobile users and delivers detailed metrics including page views, conversion metrics and more 2) Web Intelligence - Key performance metrics on public and private companies, 3) Product Intelligence - Analyze billions of purchases made by millions of US consumers to isolate spending patterns and trends analysis, 4) App Intelligence : App-level insights from real-time, on-device monitoring of millions of mobile phones and tablets streaming billions of data points on key metrics such as App installs, "active" users, engagement and retention trends and 5) Merchant Intelligence - Quantify share-of-wallet, macro consumer trends and user level studies of merchant-level detail by tracking billions of purchases made by millions of US consumers.
Alphamatician	Real Estate, Equity	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. Alphamatician also covers thousands of privately held companies and individual brands. Alphamatician provides FaceBook, Instagram, E Commerce, Browser Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps, and Promotional Activity data.
App Annie	Equity	App Annie's intelligence products provide detailed app download, revenue, demographic and usage estimates for every major mobile app. Track app performance around usage, downloads, revenue and spend across countries and app stores - for free. Optimize your app store strategy by analyzing market data metrics including historical rankings, ratings, reviews and keywords for any app across categories and countries.
Bitly	Equity	Optimize the link so marketers can own the customer experience. Bitly Enterprise - branded links, mobile deep linking, omnichannel campaign tracking, and audience intelligence - gives the world's leading brands a holistic, unbiased view into an increasingly complex digital landscape, and a powerful way to see, control and own their customer experience across the internet.
Dataprovider.com	Equity	Dataprovider.com provides reports on information extracted from more than 100 million websites in 40 countries. We collect and structure thousands of variables, including contact details, from which you can create data sets, matching your exact criteria. Provide all the vacancies straight from the websites of the business owner in the structured way. We index and structure websites and see what technologies are used and currently track 220+ different variables.
Delphia	Equity & All Asset Classes	Delphia lets anyone invest their data in order to make financial returns. By answering questions about who you are, and providing opinions on the world around you, Delphia is able to understand which companies, brands and trends are headed in which direction. Delphia then sells these predictions to hedge funds, banks, and any company looking for a head start on the market – the proceeds of which are shared with the people who provided the original data without ever having to reveal who they are.
Grandata	Equity	Grandata integrates first-party and telco partner data to understand key market trends, predict customer behavior, and deliver impressive business results. It is a data monetization company.
Jiguang	Equity, Consumer Credit	Jiguang provides vast mobile application operational data for companies and investors to deeply analyze opportunities in the sector
Lota Data	Equity & All Asset Classes	LotaData transforms anonymized mobile geo-temporal data into historical situational context and real-time insights about people presence, activity and movement.
MASSIVE Data Heights	Equity	MASSIVE Data Heights' AI technology identifies key features discussed in reviews, transforming a huge, almost formless mass of text in an ordered set of precise consumers' opinions about product and services performance.
Newscred	Equity & All Asset Classes	NewsCred is the leading enterprise content marketing company. NewsCred delivers content marketing solutions that drive business results for top brands. Access articles from thousands of premium publishers. License those

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		that align with your brand messaging to enhance your content offerings, scale your program, and further engage your audience.
OpenSignal	Telcos	OpenSignal are independent global standard for understanding the true state of the world's mobile networks based on measurements of real user experience.
ShareIQ	Equity	Shareiq provides data on earned media performance on visual content campaigns.
TVEyes	Equity & All Asset Classes	TVEyes is a search engine expressly designed for television and radio. One can quickly discover and pinpoint the right broadcast coverage by keyword or using sophisticated search logic. Whether you are a novice or a power searcher, it makes it easy for you to keep clients and leadership informed when they are on TV, conduct media research, media train executives, create reports, and alert account teams to new coverage.
Uber Media	Equity & All Asset Classes	UberMedia provides the highest quality mobile data solutions trusted by businesses to creatively solve their persistent challenges. The company's diverse suite of products process billions of social, demographic, and location signals daily for Fortune 500 companies across retail, automotive, and entertainment to better understand and influence modern consumers with the most accurate business decision science. Recognized as a pioneer in targeted mobile location intelligence, UberMedia was listed as Fast Company's 50 Most Innovative Companies,
YipitData	Equity	YipitData specializes in the collection and analysis of website data: publicly available information on company and government websites. When aggregated and analyzed correctly, website data can provide significant value to the investment research process given its unique characteristics relative to other datasets.

News sentiment

Company Name	Asset Class	Company Description
Accern	Equity	Accern has rapidly grown to become the market leader in the news and social analytics space in terms of content coverage. Trading alerts and analytics are derived from relevant finance-related news processed on over 300 million public news websites, blogs, social media websites such as Twitter, and public financial documents such as SEC filings. Accern primarily serves institutional investors. The majority of our current clients are quantitative hedge funds. Many small firms are coming to us because of our flexible and affordable pricing options. Large firms are coming to us due to our dedicated support, news source customization, and much more. Aside from hedge funds, our existing clients include pension and endowment funds, banks, brokerage firms, and more.
Acuris	Fixed Income, Equity, Infrastructure, Risk, Transactions	Acuris is a media company specialising in high-value content for financial professionals. They cover specific markets in depth, producing insights that are not available anywhere else. We deliver this intelligence through subscription-based online services, helping financial professionals to make the best decisions based on the strongest evidence.
Alexandria	Equity, Commodity, Fixed Income, FX	Alexandria's SentMap is for investment professionals who are overwhelmed with financial news, fear they may not be taking full advantage of it, and don't have a quick and efficient research environment for exploring its effects on their holdings. The ACTA engine of Alexandria is a set of proprietary algorithms that assess the sentiment of unstructured information – such as high-value financial news feeds. The output, scored for negative or positive sentiment, is then delivered as real-time signals or a set of indices to clients, who use such contextual-intelligence to predict the outcome of their actions and to assess the risks involved.
Alphasense	Equity	AlphaSense is a search engine that helps you to instantly cut through the noise and uncover critical data points to search through all major filings, earning calls and conference transcripts. Linguistic search algorithms allow you to search across millions of documents with a few clicks, dramatically reducing research times. Identify key data points, trends and themes on any 1 company or across 35,000+ global companies
Amareos	Equity & All Asset Classes	Amareos visualises market sentiment by analysing up to two million published articles to give the market sentiment of major stock indices, commodities, currencies and views on individual countries.
Associated Press	Equity & All Asset Classes	Structured data for news archives, real time news, live and archived vote tabulation and a database of 140k upcoming potentially newsworthy events.
Australian Associated Press	Equity & All Asset Classes	AAP, Australia's National News Agency, leads the way in providing detailed editorial coverage of the Australian and international finance markets from an Australian point of view. AAP's speed, accuracy and in-depth coverage make the Finance Newswire an invaluable tool for financial markets information vendors, online finance vendors,

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		and third party subscribers including banks and stockbrokers. AAP's Finance Newswire provides real time coverage of the equity, interest rates, commodities and foreign exchange markets along with economic analysis of local and overseas markets. AAP provides extensive reporting of these areas and have specialist writers who cover each topic.
BrandWatch	Equity	BrandWatch builds intelligent software solutions that meet the needs of forward-thinking social businesses. Over 1,200 brands and agencies, including Unilever, Whirlpool, British Airways, Asos, Walmart and Dell, use the products to fuel smarter decision making. It is a powerful social listening and analytics platform.
DataSift	Equity	DataSift's platform connects to real-time feed of social data including Facebook topic data, uncovers insights with sophisticated data augmentation, filtering and classification engine, and provides the data for analysis with the appropriate privacy protocol required by the data sources. It does analysis on data sources like Bitly, Blogs, Boards, Daily Motion, Disqus, FB, Instagram, IMDB, Intense Debate, LexisNexis, NewsCred, Reddit, Topix, Tumblr, Videos, Wikipedia, Wordpress, Yammer and YouTube. They get data from Edgar Online, Wikipedia and Wordpress
Estimize	Equity	An earnings data set with exclusive insight on over 2000 stocks. Estimize crowdsources earnings and economic estimates from 44,022 hedge fund, brokerage, independent and amateur analysts.
EventVestor	Equity & All Asset Classes	EventVestor is a leading cloud-based financial data and intelligence platform for investment professionals and investor relations. EventVestor data management platform and analytical applications are designed to provide efficient data collection, sophisticated data analysis and flexible data provisioning.
Exerica	Equity & All Asset Classes	Exerica is a unique AI that extracts and identifies meaning and context of data in financial and statistical documents. It makes manual data entry redundant to save more than 50% of analyst's time and take financial analysis capacity to the next generation.
FN Arena	Equity & All Asset Classes	FNArena is a supplier of financial, business and economic news, analysis and data services for small and large investors.
GDELT Project	Equity	Creating a platform that monitors the world's news media from nearly every corner of every country in print, broadcast, and web formats, in over 100 languages, every moment of every day and that stretches back to January 1, 1979 through present day, with daily updates, required an unprecedented array of technical and methodological innovations, partnerships, and whole new mindsets to bring this all together and make it a reality. Creating a database of a quarter billion georeferenced records covering the entire world over 30 years, coupled with the massive networks that connect all of the people, organizations, locations, themes, and emotions underlying those events, required not only solving unparalleled challenges to create the database, but also a "reimagining" of how we interact and think about societal-scale data.
GeoQuant	All Asset Classes	Geoquant scrapes the web for large volumes of reputable data, news, and social media most relevant to politics and political risk.
Heckyl	Equity	Real time trending news from the web, government wires, news wires, blogs and Twitter. Get news sentiment and velocity to know the news points making an impact in the market. Heckyl big data engine mines Public, Private and Proprietary data sources to help analyze, connect and discover the next big opportunity. Update constantly on Government moves, hedge funds or PE investments, VC deals, economic announcements and more.
iiMedia Research	Equity & All Asset Classes	iiMedia Research, owned by iiMediaGroup is a third-party data mining and analysis organization for new economic industries. It is committed to exporting research reports with opinions, attitudes and conclusions, and through the strength of authoritative third parties. The decision-making and intelligent analysis system, combined with the views of iiMedia analysts with an international vision, has extensive experience in big data consulting in the direction of industrial data monitoring, survey analysis and trend development. Each year, iiMedia publishes more than 2000 new economic frontier reports, covering artificial intelligence, new retail, e-commerce, education, video, biology, medical, music, travel, real estate, marketing, entertainment, media, finance, environmental protection and in the fields of public governance, combining in-depth data mining, mathematical modeling, analytical reasoning and scientific algorithms to create the big data analysis results with data and theories.
Inferess	Equity	Inferess News Analytics turns news feeds into event-driven Analytics feeds, rich of sentiment labels and identifiers for a broad range of types of events. Indicators are quantitative and qualitative measures that capture the essential meaning of textual data. Stock market news, commentary and analysis, Disclosure and corporate actions, Coverage of 14,000 companies in North and South America, Europe, Asia, the BRICs and other emerging markets, Industry and sector news, Blogs and opinions, Economic statistics and trends, Global Energy

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		and Commodities, Historical analytics archive dating back to 2012.
InfoTrie	Equity, Commodity, FX	InfoTrie's FinSents scans and monitors millions of websites, blogs, and business news publications in real-time to analyze 50,000 + stocks, topics, people, commodities and other assets by advanced low-latency algorithms. It can offer premium stock sentiment analysis data, predictive analysis data, and other
LinkUp	MacroEconomic	LinkUp provides real-time labor market job data goes back nearly 10 years and includes over 75 million job listings from 30,000 companies. It integrated additional 3rd party data elements into the platform and developed a wide range of proprietary analytics to deliver unique, powerful, and predictive insights into labor markets in the U.S. and around the world
MarketPsych	Equity	MarketPsych develops sentiment data across major news and social media outlets, quantitatively explores behavioral analytics in alpha generation and risk management and uncovers investors' innate to help their financial advisors better serve them.
MatterMark	Equity	Mattermark is a data platform to search companies and investors to effortlessly create actionable lists of leads. Mattermark monitors trends in team size, web traffic, media mentions, and more.
Newswhip	Equity & All Asset Classes	NewsWhip provides predictive intelligence for the world's news and communications professionals. Newswhip helps understand what social media content resonates with audiences. Centralize your social media monitoring and analytics to discover what's driving engagement.
Predata	Equity & All Asset Classes	Predata enables customers to anticipate global events and market moves by better understanding human behavior through the use of alternative data and machine learning.
Predict HQ	Equity & All Asset Classes	PredictHQ has proprietary ranking algorithms that allow you to cut through the noise and focus on what events will impact business the most. They cover every major category from conferences and concerts to live, unscheduled events such as extreme weather and airport delays.
RavenPack	All Asset Classes	RavenPack Analytics transforms unstructured big data sets, such as traditional news and social media, into structured granular data and indicators to help financial services firms improve their performance. Clients with an intraday horizon value RavenPack's ability to detect relevant, novel and unexpected events - be they corporate, macroeconomic or geopolitical - so they can enter new positions, or protect existing ones. The product serves to overcome the challenges posed by the characteristics of Big Data - volume, variety, veracity and velocity - by converting unstructured content into a format that can be more effectively analyzed, manipulated and deployed in financial applications.
RelateTheNews	Equity	RelateTheNews was founded to meet the needs of individuals and trading firms of all sizes. RelateTheNews is built to provide actionable insight to drive alpha. We combine data science techniques, psychology, domain specific understanding and cutting edge technology to drive real-time analysis of text data (unstructured big data) to power effective, unique, and leading decision making in the global capital markets.
Reputate	Equity	Fast, reliable & accurate sentiment analysis in 15 languages. Perform sentiment analysis and extract semantic insights from social media, news, surveys, blogs, forums or any of your company data. The world's fastest text analytics engine. Sentiment analysis, entity extraction and topic detection in Arabic, Chinese, Dutch, French, German, Hebrew, Italian, Polish, Portuguese, Russian, Spanish, Turkish, Thai, Vietnamese and of course, English.
RunningAlpha	All Asset Classes	Running Alpha tracks investment opportunities; helping investors be first at exploiting high-impact performance trends. They use investor sentiment intelligence and alpha idea generation helping clients build intelligent portfolios.
Semlab	Equity & All Asset Classes	Provides technology to generate computer readable alerts from the never ending wave of finance news. These alerts are based on client's own proprietary business logic and typically include the impact and sentiment of the original news message. Enables clients to process news messages within milliseconds of their arrival, gaining a clear competitive advantage.
SentiFi	Equity	SentiFi is building the largest online ecosystem of crowd-experts and influencers in global financial markets (SentiFi Crowd) to generate SentiFi Signals, market intelligence that is not available via traditional news media using our proprietary technology SentiFi Engine.
SESAMm	Financials	SESAMm analyses news articles, social media messages, blogs and forums posts to predict financial market movements. They provide a data visualization platform to anticipate financial markets movements while following your portfolio. They provide custom projects for quantitative and fundamental investments including Machine

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		Learning, Natural Language Processing, Trading Strategies Conception, and Consulting services.
SmarterWorks	Equity & All Asset Classes	SmarterWorks is provides Curated Newsletters and Empower your Readership with the perfectly Curated Newsletter.
Unmetric	Equity & All Asset Classes	Provides AI powered social media intelligence and analytics on more than 100000 major brands and benchmark them against one's own performance

Web Searches, Personal Data

Email and purchase receipt

Company Name	Asset Class	Company Description
iResearch	Equity & All Asset Classes	iResearch Monitor online audiences across personal computers, smartphones, tablets, smart TVs, and other devices based on panels of millions of Internet users. This data utilized to provide with the ability to develop considerable research expertise in the online marketing, e-commerce, mobile internet, big data and Internet finance sectors.
Jumpshot	Equity, Consumer Credit	Jumpshot provides key insights into user actions everywhere online to help eCommerce companies and brands uncover where else customers are clicking and buying, how their competition is doing, and what effect campaigns have beyond their own sites.
KD Interactive	Equity, Consumer Credit	KD Interactive partners with multiple offline & online data partners to provide the ability to develop in depth consumer profiles based upon personal purchase activity patterns
Money Dashboard	All Asset Classes	Money Dashboard was founded in 2010 by a small team in Edinburgh, passionate about making the often-confusing world of personal finance more open, transparent and accessible for everyone. With a funding injection from Calculus Capital and a hugely successful crowdfund, giving our users the opportunity to have a stake in the business, Money Dashboard evolved into an app named the UK's Best Personal Finance App 2017 & 2018 at The British Bank Awards.
Return Path	Equity	Return Path Data Exchange has brought together the world's most comprehensive source of data from the email ecosystem. It partners with more than 70 providers of mailbox and security solutions, covering 2.5 billion inboxes - approximately 70 percent of the worldwide total. Also feeding into this data platform is our consumer network of more than 2 million consumers and purchase receipts from 5,000 retailers around the world, delivering unparalleled insight into purchase behavior, brand affinity, and consumer preferences. Return Path is the world's leading email data solutions provider. Our solutions provide the insight companies need to build better relationships, drive more response, and increase revenue.
Slice Intelligence	Equity	Slice Intelligent's market research products and custom analytics solutions offer brand-new insights on online shopping, including: share of wallet, loyalty and switching, pricing, shipping and payment method. All data is reported daily, at the item level and can be analyzed by the shopper's geographic location.
Superfly insights	Equity	Provides detailed consumer purchasing insights using live transaction data in-app, online and in-store. They also provide competitor's sales data, statistical data and insights on user's purchasing habits for leading brands.

Web search trends

Company Name	Asset Class	Company Description
411.info	Equity & All Asset Classes	411.info provides the most comprehensive online directory, maps and National real estate listings, 411.info has incredibly informative crowdsourced community pages.
AddThis	Equity	On January 5, 2016, Oracle completed the acquisition of AddThis, of publisher personalization, audience insight and activation tools that powers 15 million websites and enables unmatched audience segment quality, scale and insight. AddThis offers unparalleled insight into the interests and behaviors of over 1.9 billion web visitors. This vast global footprint reaches 96% of the U.S. web - ranking above Google and Facebook in comScore for distributed content and ad reach.
Alexa (Internets traffic)	Equity	Alexa's traffic estimates are based on data from our global traffic panel, which is a sample of millions of Internet

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
company)		users using one of over 25,000 different browser extensions. In addition, they gather much of traffic data from direct sources in the form of sites that have chosen to install the Alexa script on their site and certify their metrics. Alexa's global traffic rank is a measure of how a website is doing relative to all other sites on the web over the past 3 months. We provide a similar country-specific ranking, which is a measurement of how a website ranks in a particular country relative to other sites over the past month.
Civic Science	All Asset Classes	Power the world's opinions and share them with the companies and decision-makers who care. Every day, they poll millions of real people - in a privacy-friendly way - about thousands of different topics and issues.
Comscore	All Asset Classes	Comscore is the trusted currency for planning, transacting, and evaluating media across platforms.
Crimson Hexagon	All Asset Classes	Brandwatch products inform thousands of marketing, brand and business decisions every day for the most admired organizations worldwide.
DataPulse	All Asset Classes	DataPulse's insights come from observing actual Internet Infrastructure behavior around the globe. This creates an overview which encompasses web traffic on other sites, allowing evaluation of a complete domain and brand portfolio, building competitive intelligence profiles, or creating industry benchmarks.
Datarama	All Asset Classes	Datarama is the one-stop source for hard-to-find information and risk analysis. We combine advanced technology with human analysis to provide a complete business intelligence solution, making due diligence and deal identification cheaper and faster
Drawbridge	All Asset Classes	Drawbridge connects, unifies, and supercharges customer data to create a complete view of the people you do business with. All so you can deliver unparalleled experiences.
Edison	All Asset Classes	Edison trends helps in understanding the competitive landscape on the local level. Get deep insights into the buying behaviour of your customers, identify market growth opportunities.
Eilers & Krejcik Gaming	All Asset Classes	Edison trends helps in understanding the competitive landscape on the local level. Get deep insights into the buying behaviour of your customers, identify market growth opportunities.
Intelius	Equity & All Asset Classes	Intelius helps you find the people, background, and phone information with an easy, and secure online search. It provides information services, including people and property search, background checks and reverse phone lookup. Users also have the ability to perform reverse address lookups to find people using Intelius' services and an address.
Prosper Insights & Analytics	All Asset Classes	Prosper provides data serving the financial services, marketing technology, and retail industries. Prosper provide global authoritative market information on US and China consumers via curated insights and analytics.
Re-analytics	Equity	Re-analytics conducts web data analytics on fashion, retail, consumer, and travel companies by measuring consumer demand.
RootMetrics	Information Technology	RootMetrics uses off-the-shelf smartphones to test the same things that consumers use their phones for every day - making calls, sending texts, and using data services. They test performance day and night, both inside and during driving.
Sensor Tower	All Asset Classes	Sensor Tower provides solutions for mobile marketers, app developers, and industry analysts.
Sequentum	All Asset Classes	Sequentum provides data extraction services for Enterprises by capturing & validating publicly sourced web data.
TrustData	Equity	Chinese mobile app usage data provider with over 150mm MAUs.
Webhose.io	Equity & All Asset Classes	Webhose provide on-demand access to web data feeds anyone can consume. Webhose empowers you to build, launch, and scale data-driven operations as you grow - whether you're an entrepreneur, a researcher, or a senior executive at a Fortune 500 company. Developers get access to the same web data feeds that power to the growing customer base of global media analytics and monitoring leaders. Every web data feed is optimized to deliver up-to-the-minute coverage of a specific content domain, such as news, blogs, online discussions, and more.

Alternative Data Directory – Vendors by Data Source

Data from Business Processes

Transaction Data

Other commercial transactions

Company Name	Asset Class	Company Description
Alphamatician	Equity	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. Alphamatician also covers thousands of privately held companies and individual brands. Alphamatician provides FaceBook, Instagram, E Commerce, Browser Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps, and Promotional Activity data.
ARC	Freight	ARC provides comprehensive air transaction data, which can be leveraged to identify travel trends and accelerate business growth. Its data can be used for effective benchmarking, performance validation and identifying opportunities in an evolving market. Custom reports deliver the comprehensive analysis one need to enhance business
BizQualify	Equity & All Asset Classes	BizQualify maintains database of 200+ financial metrics on 1 million companies with 100 million employees in the U.S. The data is sourced from Form 5500 (ERISA) filings with the IRS and Department of Labor, which cover retirement & welfare benefit plans. The financial metrics include indicators of revenue, profit, employment, and credit risk. Data is updated monthly and spans 2010 - present.
Boxoffice Media	Consumer Discretionary	Pulse-Boxoffice provides information on global cinema industry. It tracks the daily boxoffice gross receipts for movies. It also reports the monthly top performers by films, studios, genres, directors, actors and actresses in the industry.
Brave New Coin	FX	Brave New Coin (BNC) is a Data & Research company who has built a superior Market-Data Engine for the Blockchain & Digital Equities industry. They collect, process & index live data from over 100 trading platforms in real-time to produce a number of useful data tools for Developers, Traders & Enterprise. BNC also provides industry news and insights. The coverage spans every aspect of the Digital Currency and Blockchain Ecosystem, including its impact on the greater FinTech and payments space. Featuring a mix of regular tech wraps, weekly market updates, features, interviews and a steady stream of industry thought-leader guest posts.
Buildfax	Real Estate	Buildfax catalogue over 23 billion data points on residential and commercial structures and proprietary, providing predictive analytics about how building permit data predicts loss and tells the story of property history, improvements, structural risks, and changes over time. These insights can be a game changer for everyone involved in Real Estate. Buildfax count some of the world's largest insurance, property companies and lending companies as clients.
Data Provider	Equity	Dataprovider.com provides reports on information extracted from more than 280 million websites in 40 countries. They collect and structure hundreds of variables, including contact details, company profile, economic footprint and heartbeat (activity), from which users can create novel data sets.
Epsilon	All Asset Classes	Epsilon manages consumer, cooperative, survey databases and provides proprietary audiences and insights. Epsilon data is available for use offline and online. It's sourced from multiple partners, public sources and directly from consumers.
FactSet Revere	Equity	Revere has built a dynamic industry taxonomy that offers investors a unique way to classify companies. It offers a comprehensive database of supply chain relationships that helps investors identify companies' interrelationships and mutual dependencies, as well as geographic revenue exposure to manage geopolitical and macroeconomic risk. FactSet acquired Revere in 2013 and Revere's database is available from FactSet.
FastBooking	Real Estate	Fastbooking offers hoteliers tailor-made strategies and advice, boosting their direct sales, improving their operating results.
FNGO	All Asset Classes	Big Finance trade data tracks +185 key products that are exported from South Korea including DRAM, NAND, display panels, EV batteries, cosmetics, bio-medicines, chemicals, and steel products. It is also able to track export trend for +200 publicly listed stocks.
Informa FinancialIntelligence	Equity, ETF, Commodity, FX and Fixed Income	Informa provides financial institutions with the intelligent advantage to make informed decisions, understand past trends, forecast future performance, drive profitability, and increase returns by offering benchmarking, customer analytics, and specialized data.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
Innovata	Equity, ETF	Innovata's flagship database is its airline schedules database to provide the aviation industry with a neutral, secure, and high quality source of airline data.
Jettrack.io	Equity, ETF, Commodity and Fixed Income	JetTrack allows a few sophisticated institutional investors to identify future corporate transactions based on corporate flight activity.
Kyber Data Science	MacroEconomic	Kyber Data Science, LLC, a wholly-owned subsidiary of Cowen Inc., is focused on developing and selling unique and proprietary datasets across a variety of sectors to institutional investors and corporations.
MarketCheck	Equity	MarketCheck is an online aggregator with focus on select industries providing search capabilities and access to data, to power apps, reports and visibility into markets spread all across North America. Data comes directly from dealer websites--over 52k in all--with comprehensive coverage for all US markets as well as Canada. Updates are made on a daily basis with all inventories checked and fully refreshed within a 24 hour crawl cycle.
NIELSEN Data	Equity	The Retail Scanner data consist of weekly pricing, volume, and store environment information in US
Panjiva	Equity & All Asset Classes	Panjiva provides data of transaction details for goods traded across borders, with information like company names, product descriptions, values and more.
Panvista Analytics	Equity	Panvista is leading provider of behavioural, visitor data analytics and insights solution for event industry.
Quandl	All Asset Classes	Quandl delivers financial, economic and alternative data to over 150,000 people worldwide. Quandl offers essential financial and economic data alongside a suite of unique, alpha-generating alternative datasets.
Seer Aerospace	Freight	Seer Aerospace provides aircraft usage patterns, and cost and reliability datasets.
ShopperTrak	Equity, Consumer Discretionary	ShopperTrak Retail Analytics suite scientifically monitors and measures shopper traffic, behaviour and conversion data. It helps to analyse store performance across regions, the entire store network, and the wider market and quantify the impact of marketing campaigns on shopper numbers, conversions and loyalty.
SuperData	Information Technology	Founded by veteran games industry researchers, SuperData Research is the world's leading provider of market intelligence. SuperData offers quantitative and qualitative insights on free-to-play games, digital console, mobile, PC downloadable, streaming media and gaming video content, eSports, and virtual reality. SuperData helps its customers understand what people play, connect to, watch, and spend on.
Tradesparq	Freight	At Tradesparq our mission is to drive trust and transparency in international trade. We do this by offering a free marketplace for buyers, suppliers and trade service providers to find and verify each other. We differ from other trade marketplaces by helping our members use their online relationships, member reviews and actual shipment history to find the most suitable and reliable trade partners.

E-commerce and online transactions

Company Name	Asset Class	Company Description
7Park	Equity	7Park provides clarity into your investments with 1)Web Traffic Intelligence - Tracks global panel of over 100+ million internet and mobile users and delivers detailed metrics 2) Web Intelligence - Key performance metrics on public and private companies, 3) Product Intelligence - Analyze billions of purchases made by millions of US consumers to isolate spending patterns and trends analysis, 4) App Intelligence : App-level insights from real-time, on-device monitoring of millions of mobile phones and tablets streaming billions of data points on key metrics such as App installs, "active" users, engagement and retention trends and 5) Merchant Intelligence - Quantify share-of-wallet, and macro consumer trends.
Affinity Solutions	Consumer Credit	Affinity provides solutions to drive better business outcomes for financial institutions and marketers, leveraging real-time and secure access into where and when consumers are spending across brands, categories, geographies, and buying channels. They use transactional level data and retail CRM data to provide insights for marketing needs
Alphamatician	Equity	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. We also cover thousands of privately

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Company Name	Asset Class	Company Description
		held companies and individual brands. Alphametician provides FaceBook, Instagram, E Commerce, Browser Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps and Promotional Activity data.
DataStreamX	Equity & All Asset Classes	DataStreamX helps unleash the power of the world's data. They strive to provide a delightful marketplace experience that connects suppliers of data and consumers of data. Logistics, Import/Export, Foot Traffic and Financial datasets are available.
DataWeave	All Asset Classes	Retail Intelligence product transforms your approach to decision-making - helping you leverage unique competitive pricing, promotions, and merchandising insights to drive increased revenues and margins
EcommerceDB	Equity, Consumer Discretionary	eCommerceDB.com is the starting point for market analyses, benchmarking and lead generation in the eCommerce sector. The database provides insights into detailed revenue information of 10,000 online shops worldwide.
One Click Retail	All Asset Classes	One Click Retail is the market leader in eCommerce data analytics, sales measurement and search optimization.
Premise	Agriculture, FX, Macro Economic	Premise indexes and analyzes millions of observations captured daily by global network of contributors, unearthing connections that impact global decisions. Discerning the economic effect of droughts, new policies and poor cold storage Premise publishes its Argentina, Brazil, China, India and U.S. food staples indexes via the Bloomberg terminal, giving traders, forecasters, analysts and government officials an advantage to now cast expected market behaviors up to several weeks early.
PriceStats (Billion Prices Project)	Equity	PriceStats collects price information from over 1,000 retailers across nearly 70 countries. They publish daily inflation series for over 20 countries and PPP indices for 8 economies. Most of their series start in 2007-2008. PriceStats gathers price information for key economic sectors: food & beverages; furnishing & household products; recreation & culture; clothing & footwear; housing, electricity & fuel; and health. They continue to update this as more data becomes available.

Credit/debit card and bank/investment/mortgage account data

Company Name	Asset Class	Company Description
ARM Insight	Consumer Credit	ARM is a leader in transaction-based analytics, programs, and data solutions. Provider of payments-based business intelligence (BI) solutions for credit, debit, and prepaid card processors; investment companies; financial institutions; and retail corporations. ARM's platform is able to transform the billions of raw transaction data from legacy technologies into actionable information, which enables companies to make intelligent business decisions and automate manual operational tasks.
FICO	Consumer Credit	FICO pioneered the development of scoring analytics over 27 years ago that helped to democratize access to credit. FICO has built analytic models for multiple markets that consider alternative data, such as bill payment and non-financial data (like mobile device and retail purchase information) in addition to traditional financial data. These analytics are generally designed as an extension of the traditional FICO Score, with the same or a similar score range (e.g., 300-850) and a similar odds-to-score relationship.
First Data SpendTrend	Equity & All Asset Classes	Credit card transaction data and custom analysis. Part of First Data Corporation (NYSE: FDC).
MasterCard Advisors	All Asset Classes	MasterCard uses real-time, anonymized and aggregated transaction data, powerful software platforms and expertise, to empower customers to unlock a holistic view of consumer behavior actionable insights to make data-driven decisions
MoneySuperMarket	All Asset Classes	MoneySupermarket Helps customers grow, save and manage their money across their household bills. Data on UK consumer transactions via price comparison platform.
Moodyâ€™s Data Alliance	Equity & All Asset Classes	Data portal tracking commercial and industrial loans to private companies.
Sandalwood	All Asset Classes	Sandalwood monitors consumer trends in both domestic China and overseas. Through Sandalwood's data tracking services clients can uncover "when, where, and what" large groups of Chinese consumers are spending money on.
Second Measure	Equity	Second measure transforms credit card transactions into actionable insights for investors and analyzes billions of

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		consumer purchases to deliver unprecedented insight into public and private companies. Second Measure delivers effective insights by analyzing billions of consumer purchases (i.e. greater than 1 percent of all U.S. consumers spending) and presenting detailed insights to investors.
SuperFly	Equity	SuperFly Insights is an analytics company that provides detailed consumer purchasing insights using live transactional in-app, online and in-store data. SuperFly collects data from a massive set of permission-based accounts, apply advanced data extraction, normalization, and predictive analytics to create elaborate anonymous profiles and aggregate the profiles to deliver an easy-to-consume, dynamic and actionable insights.
TXN	Equity & All Asset Classes	Credit and debit card transaction data based on their research panel. Also utilize some third-party datasets.
UnionPay	Consumer Credit	UnionPay International (UPI) is a subsidiary of China UnionPay focused on the growth and support of UnionPay's global business. In partnership with more than 2000 institutions worldwide, UnionPay International has enabled card acceptance in 174 countries and regions with issuance in 52 countries and regions. UnionPay International provides high quality, cost effective and secure cross-border payment services to the world's largest cardholder base and ensures convenient local services to a growing number of global UnionPay cardholders and merchants.
Yodlee	Equity	With Envestnet Yodlee Data Analytics, businesses will be able to garner insights based upon millions of anonymized consumer debit and credit transactions, providing the ability to track and monitor retail sales performance by competitor and by geo-location, better understand purchase timing and seasonality, and benefit from enhanced customer profiling and income segmentation. Yodlee's APIs, FinApps, and analytical tools leverage data from over 15,000 data sources to increase insight, enhance and extend digital capabilities, and engage users.
Yodlee / Envestnet	Consumer Credit	Yodlee provides a large proprietary panel of credit card transaction data and licenses that data to third parties including alternative data brokers.

Orderbook and flow data

Company Name	Asset Class	Company Description
CME	Commodity, Equity	CME Group offers non-traditional data to help you gain an edge in our marketplace. Using data from third-party sources, including satellite imagery or implied volatility measurements, CME Alternative Data offers you a comprehensive look at commodities markets.
DTCC	Equity, All Asset Classes	The Depository Trust & Clearing Corporation (DTCC) is an American post-trade financial services company providing clearing and settlement services to the financial markets. It performs the exchange of securities on behalf of buyers and sellers and functions as a central securities depository by providing central custody of securities.
EidoSearch	All Asset Classes	EidoSearch uses patented pattern matching technology to project probable event outcomes and find relationships in Big Data. 100+ billion pattern comparisons daily to uncover opportunities and allow for better estimation of risks
EPFR	All Asset Classes	Provider of fund flow and asset allocation data to financial institutions around the world. Tracking both traditional and alternative funds domiciled globally with \$30 trillion in total assets.
Eurekahedge	Hedge funds	The Eurekahedge Global Hedge Fund Database is its flagship database of 24,746 live hedge funds. It includes regional and specialised single manager fund databases including North America (NAHF), Asia (AHF), Europe (EHF), Emerging Markets (EMHF), Frontier Markets (FMHF), Latin America (LAHF), Undertaking for Collective Investments in Transferable Securities (UCITS), Insurance-Linked Securities (ILS), Commodity Trading Advisors and Managed Futures (CTA), Long Only Absolute Return Funds (LOARF) and Obsolete Funds (OHF)
Finadium	All Asset Classes	Finadium has created an enhanced database of US mutual funds and ETFs in securities lending that incorporates SEC filings and additional industry content. The database provides industry analysis of market trends and funds using leading factors such as strategy, benchmark, fund complex, fee splits, cash collateral fees and more.
Finweavers	Equity & All Asset Classes	Finweavers is the next generation quantamental investing and trading platform combining best in class financial data, advanced data science, quantitative analysis, business intelligence and visualization libraries into one

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Company Name	Asset Class	Company Description
		homogenous platform. It offers: 1) Ultra-flexible research platform that empowers investment firms to access traditional financial data, alternative data and portfolio data in one platform. 2) Intellectual marketplace where investment firms have access to predictive trading signals, data and models. 3) Sophisticated research platform with institutional grade data, comprehensive set of tools, and visualization for quants to generate trading signals.
Hillside Partners	Equity	Sell-side firm with specialization in web scraping. In addition to custom projects, they scrape US movie theater websites to produce box office estimates. Their coverage includes LGF, DIS, TWX, IMAX, CNK, AMC, etc.
Kpler	Commodity	Kpler's algorithms process satellite feeds, governmental databases and shipping registries to know the volume that is being shipped across the globe revealing hidden patterns and trends in the market.
MariData	Equity	MariData analyzes all aspects of global shipping to develop unique market insights, identify investment opportunities, and monitor the activity of individual ships, or whole industry sectors.
Neotrade Analytics	Equity	Neotrade Analytics is an online startup that distributes real-time data to traders. Authorized real-time data vendor of National Stock Exchange (NSE) and Bombay Stock Exchange (BSE). Millisecond tick by tick data updates provided on various charting platforms and programming languages at affordable price
Quant Connect	Equity, FX, Fixed Income, Commodity	Quant Connect provides 1) US Equities tick data going back to January 1998 for every symbol traded, totaling over 29,000 stocks. 2) Morning Star Fundamental data for the most popular 8,000 symbols for 900+ indicators since 1998. 3) Forex (FXCM, ONADA brokerage) since Apr 2007. 4) Futures tick trade and quote data from January 2009 onwards for every contract traded in CME, COMEX and GLOBEX. 5) Option trades and quotes down to minute resolution, for every option traded on ORPA since 2007.
Quantcube	Equity , Commodity	QuantCube Technology is a Fintech startup specialized in real-time Big Data analytics to predict macro trends, success and failures of companies and individual behaviors, by crossing billions of heterogeneous data with advanced analytics. Products include real-time indicators, resulting from the aggregation of multiple micro-data sources to deliver looking forward macro- data. QuantCube Technology offers a wide range of real-time Smart Data at a global level: from Global Macro activity to specific equities and commodities.
Second Measure	Equity	Second measure transforms credit card transactions into actionable insights for investors and analyzes billions of consumer purchases to deliver unprecedented insight into public and private companies. Second Measure delivers effective insights by analyzing billions of consumer purchases (i.e. greater than 1 percent of all U.S. consumers spending) and presenting detailed insights to investors.
Standard Media Index	Equity & All Asset Classes	Our clients leverage SMI data to uncover signals about a company's fundamental performance, track revenue against consensus estimates, and build better models. By combining our data with key market indicators, SMI has developed a proprietary forecasting model for Google and Facebook. The SMI Forecast has established a track record that of successfully helping our clients profit by predicting FB and GOOGL's quarterly ad revenue each quarter within 1% ahead of print.
Tick Data	Equity, FX, Fixed Income, Commodity	Tick Data provides historical intraday stock, futures, options and forex data for back-testing trading strategies, develop risk & execution models, perform post-trade analysis, and conduct important academic research with data as far back as 1974. API, AWS-S3 & 'OneTick' in memory database solutions are available.
Yodlee	Equity	With Envestnet Yodlee Data Analytics, businesses will be able to garner insights based upon millions of anonymized consumer debit and credit transactions, providing the ability to track and monitor retail sales performance by competitor and by geo-location, better understand purchase timing and seasonality, and benefit from enhanced customer profiling and income segmentation. Yodlee's APIs, FinApps, and analytical tools leverage data from over 15,000 data sources to increase insight, enhance and extend digital capabilities, and engage users.

Alternative credit

Company Name	Asset Class	Company Description
Affirm	Consumer Credit	Affirm is modernizing consumer credit and changing the way people shop. And enable customers low credit scores or thin/no credit files to buy what they want today and pay over time - boosting conversion, revenue, and customer loyalty.
BillGuard	Consumer Credit	BillGuard is now part of Prosper. It is a crowd-powered peer-to-peer lending company.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
Cignifi	Consumer Credit	Cignifi is changing consumer finance for over 80% of the adults globally using or owning a mobile phone. Cignifi's big data platform is the first to develop credit risk and marketing scores using mobile phone data.
Cogncial	Consumer Credit	Zibby, a Cognical company, offers customers a lease purchase transaction with no long term obligation and options for ownership. Our lease-to-own solution fully integrates with e-retailers' storefront and checkout processes to provide the only financing option for 65Mn underbanked and nonprime consumers to acquire electronics, appliances, furniture, and other durable goods online.
CoreLogic	All Asset Classes	CoreLogic provides information intelligence to identify and manage growth opportunities, improve business performance and manage risk. Whether in real estate, mortgage finance, insurance, or the public sector, our clients turn to us as a market leader for unique property-level insights. CoreLogic collect and maintain the largest, most comprehensive property and related financial
DemystData	All Asset Classes	DemystData help organizations unlock financial services through the use of better data, smarter decisions, and best in class infrastructure. DemystData's proprietary Attribute Platform works with large number of data sources like Telco, social, ID, fraud, websites, text, news, logs, and much more, and allows for the creation, hosting and delivery of actionable attributes that are unavailable anywhere else. They have helped the world's largest banks, telecommunications providers, insurers, and lenders optimize their workflows and more accurately screen over 400m customers.
Earnest	Consumer Credit	Earnest uses unrivaled service, technology and additional factors such as your education, employment history, and financial picture in parallel with your credit history to bring low-interest loans to high-potential people.
Elevate	Consumer Credit	Elevate was founded on a legacy of data and innovation coupled with a customer-first approach. Elevate is reinventing the non-prime lending industry by giving consumers access to responsible transparent credit options.
Enova	Consumer Credit	Enova is a technology and data analytics driven online lending company operating 11 brands in 6 countries and providing analytics services to businesses.
Experian	Consumer Credit	Experian is a leading global information services company, providing data and analytical tools to their clients around the world. They help businesses manage credit risk, prevent fraud, target marketing offers and automate decision making. Experian also help people to check their credit report and credit score, and protect against identity theft.
Experian Micro Electronics	Consumer Credit	A double bottom line business unit specialized in alternative data, mobile technology, distributed models and enabling technology, Experian Micro Analytics' mission is to create credit risk profiles for millions of people and offer them easy access to credit. With innovative capabilities, millions of credit facilities are extended each year to people who previously did not have access to credit.
FactorTrust	Consumer Credit	FactorTrust, the Alternative Credit Bureau, is relentlessly dedicated to proven analytics and clean credit information that provides lenders opportunities to grow more revenue meet compliance regulations and serve more consumers with more credit options. At the core of FactorTrust is alternative credit data not available from the Big 3 bureaus and analytics and risk scoring information lenders need to make informed decisions about the consumers they want. The company's solutions enable financial service companies an opportunity to uncover creditworthy prospects that are not surfacing via traditional credit sources.
FairLoan	Consumer Credit	FairLoan provide an alternative to pay-day lenders and loan providers that charge very high interest rates to people who have been refused access to mainstream credit and personal loans. The Fair Loans offering has proven to be a convenient and private process that is borrower friendly and enables people to cover sudden or emergency costs in a reasonable and manageable fashion.
FirstAccess	Consumer Credit	FirstAccess is an award-winning FinTech company that offers a customizable credit scoring platform for lending institutions in emerging markets to credit score anyone.
Funding Circle	Consumer Credit	Funding Circle is the world's leading marketplace exclusively focused on small businesses - more than \$3bn has been lent to 25,000 businesses in the UK, USA, Germany and the Netherlands. Today, businesses can borrow directly from a wide range of investors, including more than 60,000 people, the UK Government, local councils, a university and a number of financial organizations.
Happy Mango	Consumer Credit	Happy Mango is a free personal finance management tool that helps customers keep track of their money, forecast cash flows and achieve financial goals. Happy Mango boosts individuals' credit standing with endorsements from people who know them well and strengthen their finances with the help of personalized advice. Happy Mango expands borrower base and reduce defaults using cash-flow-based credit assessment.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
ICRA Services	Equity, Consumer Credit	ICRA Limited (ICRA) is an Indian independent and professional investment information and credit rating agency. ICRA Online Limited (ICRON) offers research, analytics, and data services to regional and global businesses.
Innovate UK	Macro Economic SME, Grants	Innovate UK is the UK's innovation agency, accelerating economic growth. They fund, support and connect innovative businesses through a unique mix of people and programmes to accelerate sustainable economic growth.
Kabbage	Consumer & SME Credit	Kabbage's comprehensive lending platform can be configured for your organization, allowing you to use the power of data to rapidly underwrite and monitor millions of customers.
Kreditech	Consumer Credit	Kreditech's mission is to provide access to credit for people with little or no credit history. The underbanked. Mainstream financial institutions have neglected this group of customers for years due to their lack of solid credit rating. Excluded from mainstream access to credit – those customers are left either with no or only with poor credit options such as Pawn or Payday Lending. By the use of its proprietary credit decision technology, Kreditech is driven to bridge this gap and to provide access to credit at fair and sustainable conditions to the non-prime market segment.
Lenddo	Consumer Credit	Lenddo has developed its technology based on 4 years of actual online lending experience that included collection, analysis and processing of billions of data points. Lenddo is a technology company that forged the idea of using non-traditional data to compute people's credit scores. Lenddo now offers a simple and secure way to prove identity and establish a consumer's character online to unlock loans, online shopping and improve chances of employment. Lenddo is open to third parties, such as banks, lending institutions, utilities and credit card companies to reduce risk, increase portfolio size, improve customer service and verify applicants.
LendingClub	Consumer Credit	LendingClub is the world's largest online credit marketplace, facilitating personal loans, business loans, and financing for elective medical procedures. Borrowers access lower interest rate loans through a fast and easy online or mobile interface. Investors provide the capital to enable many of the loans in exchange for earning interest. LendingClub is transforming the banking system into a frictionless, transparent and highly efficient online marketplace, helping people achieve their financial goals every day.
LendUp	Consumer Credit	LendUp's mission is to provide anyone with a path to better financial health. LendUp is a better alternative to Payday Loans and offers online loans and credit cards with free financial education and the opportunity to build credit knowledge.
LexisNexis	All Asset Classes	LexisNexis® has unique data to help businesses make more profitable lending decisions across all consumer segments, including consumers with no, little or extensive credit histories. With a unique data set that covers over 98% of the U.S. population and provides consumer behavior information not available in traditional credit bureau data - organizations get a more complete picture of their customers. Combining cutting-edge technology, unique data and advanced scoring analytics, we provide products and services that address evolving client needs in the risk sector while upholding the highest standards of security and privacy.
NetSpend	Consumer Credit	NetSpend is a leading provider of Visa® Prepaid debit cards, Prepaid Debit MasterCard® cards, and commercial prepaid card solutions in the U.S. And serve the estimated 68 million underbanked consumers who do not have a traditional bank account or who rely on alternative financial services, by offering products that are flexible with powerful features designed just for them.
Prosper Marketplace	Consumer Credit	Prosper is America's first marketplace lending platform, with over \$8 billion in funded loans. Prosper allows people to invest in each other in a way that is financially and socially rewarding. Prosper handles the servicing of the loan on behalf of the matched borrowers and investors.
RevolutionCredit	Consumer Credit	RevolutionCredit's unique engagement platform and database of unique consumer behavioral economic data transforms the credit decisioning process for both lenders and consumers. RevolutionCredit was founded in 2012 by Zaydoon Munir, a veteran of Experian and the credit and financial services industry.
Tala	Consumer Credit	Anyone with an Android smartphone in our markets can apply for a loan and receive an instant decision, regardless of their financial history. We provide fast, personalized loans to approved borrowers and build digital credit history.
Think Finance	Consumer Credit	Think Finance provide software, analytics, and marketing service for the B2B online lending environment leveraging technology tools, resources, and decades of experience to help you meet the needs of your customers - and shareholders. Customized services allow you to create, develop, launch and manage your loan portfolio while effectively serving your customers.

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Company Name	Asset Class	Company Description
VantageScore	Consumer & SME Credit	VantageScore Solutions is committed to providing greater score accuracy and consistency so that lenders and consumers alike can make credit decisions with a higher level of confidence. VantageScore serves three industries 1) Bank Card 2) Auto 3) Mortgage. Many of the most sophisticated secondary market participants use the VantageScore model to help evaluate and monitor risk, and to price and benchmark deals more accurately. Credit rating agencies accept loans based on the VantageScore model, and it's the dominant model used in the valuation of previously issued, private-label mortgage-backed securities.
VisualDNA	All Asset Classes	VisualDNA was started in order to change communication between people for the better. By combining the approaches of data scientists, psychologists, creatives and engineers we have crafted new ways of understanding the human personality, allowing people to understand themselves and businesses to serve their customers better. We want to enable a web where people have control of their own data, and where the organizations that they choose to share it with can use it as constructively as possible.
WDZJ.com	Equity & All Asset Classes	Wdzh is an authoritative P2P online loan industry portal in China. It is affiliated to Shanghai Yingxun Technology Co., Ltd. and is headquartered in Shanghai. Since its establishment nearly 6 years ago, Netcom Home has been adhering to the principle of "fairness, justice and openness", providing value information, data, reports, UGC originals, financial tools and personalized services to P2P online loan industry participants and followers. Research, industry data, original content, user popularity and innovative services have always been the industry leader.
ZestFinance	Consumer Credit	Credit's technology platform is transforming consumer lending using machine learning - it helps companies make smarter credit decisions to expand the availability of fair and transparent credit. They have partnered with China's largest online direct-sales company, JD.com, to expand consumer credit. There are more than half a billion people in China with no credit history. This lack of data makes it incredibly difficult to determine credit risk and Credit's platform turns shopping data into credit data, creating credit histories from scratch.

Other commercial transactions

Company Name	Asset Class	Company Description
Alphamatician	Equity	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. Alphamatician also covers thousands of privately held companies and individual brands. Alphamatician provides FaceBook, Instagram, E Commerce, Browser Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps, and Promotional Activity data.
ARC	Freight	ARC provides comprehensive air transaction data, which can be leveraged to identify travel trends and accelerate business growth. Its data can be used for effective benchmarking, performance validation and identifying opportunities in an evolving market. Custom reports deliver the comprehensive analysis one need to enhance business
BizQualify	Equity & All Asset Classes	BizQualify maintains database of 200+ financial metrics on 1 million companies with 100 million employees in the U.S. The data is sourced from Form 5500 (ERISA) filings with the IRS and Department of Labor, which cover retirement & welfare benefit plans. The financial metrics include indicators of revenue, profit, employment, and credit risk. Data is updated monthly and spans 2010 - present.
Boxoffice Media	Consumer Discretionary	Pulse-Boxoffice provides information on global cinema industry. It tracks the daily boxoffice gross receipts for movies. It also reports the monthly top performers by films, studios, genres, directors, actors and actresses in the industry.
Brave New Coin	FX	Brave New Coin (BNC) is a Data & Research company who has built a superior Market-Data Engine for the Blockchain & Digital Equities industry. They collect, process & index live data from over 100 trading platforms in real-time to produce a number of useful data tools for Developers, Traders & Enterprise. BNC also provides industry news and insights. The coverage spans every aspect of the Digital Currency and Blockchain Ecosystem, including its impact on the greater FinTech and payments space. Featuring a mix of regular tech wraps, weekly market updates, features, interviews and a steady stream of industry thought-leader guest posts.
Buildfax	Real Estate	Buildfax catalogue over 23 billion data points on residential and commercial structures and proprietary, providing predictive analytics about how building permit data predicts loss and tells the story of property history,

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Company Name	Asset Class	Company Description
		improvements, structural risks, and changes over time. These insights can be a game changer for everyone involved in Real Estate. Buildfax count some of the world's largest insurance, property companies and lending companies as clients.
Data Provider	Equity	Dataprovider.com provides reports on information extracted from more than 280 million websites in 40 countries. They collect and structure hundreds of variables, including contact details, company profile, economic footprint and heartbeat (activity), from which users can create novel data sets.
Epsilon	All Asset Classes	Epsilon manages consumer, cooperative, survey databases and provides proprietary audiences and insights. Epsilon data is available for use offline and online. It's sourced from multiple partners, public sources and directly from consumers.
FactSet Revere	Equity	Revere has built a dynamic industry taxonomy that offers investors a unique way to classify companies. It offers a comprehensive database of supply chain relationships that helps investors identify companies' interrelationships and mutual dependencies, as well as geographic revenue exposure to manage geopolitical and macroeconomic risk. FactSet acquired Revere in 2013 and Revere's database is available from FactSet.
FastBooking	Real Estate	Fastbooking offers hoteliers tailor-made strategies and advice, boosting their direct sales, improving their operating results.
FNGO	All Asset Classes	Big Finance trade data tracks +185 key products that are exported from South Korea including DRAM, NAND, display panels, EV batteries, cosmetics, bio-medicines, chemicals, and steel products. It is also able to track export trend for +200 publicly listed stocks.
Informa FinancialIntelligence	Equity, ETF, Commodity, FX and Fixed Income	Informa provides financial institutions with the intelligent advantage to make informed decisions, understand past trends, forecast future performance, drive profitability, and increase returns by offering benchmarking, customer analytics, and specialized data.
Innovata	Equity, ETF	Innovata's flagship database is its airline schedules database to provide the aviation industry with a neutral, secure, and high quality source of airline data.
Jettrack.io	Equity, ETF, Commodity and Fixed Income	JetTrack allows a few sophisticated institutional investors to identify future corporate transactions based on corporate flight activity.
Kyber Data Science	MacroEconomic	Kyber Data Science, LLC, a wholly-owned subsidiary of Cowen Inc., is focused on developing and selling unique and proprietary datasets across a variety of sectors to institutional investors and corporations.
MarketCheck	Equity	MarketCheck is an online aggregator with focus on select industries providing search capabilities and access to data, to power apps, reports and visibility into markets spread all across North America. Data comes directly from dealer websites—over 52k in all—with comprehensive coverage for all US markets as well as Canada. Updates are made on a daily basis with all inventories checked and fully refreshed within a 24 hour crawl cycle.
NIELSEN Data	Equity	The Retail Scanner data consist of weekly pricing, volume, and store environment information generated by point-of-sale systems from more than 90 participating retail chains across all US markets. The Consumer Panel Data captures 40-60,000 US households' purchases of fast-moving consumer goods.
Panjiva	Equity & All Asset Classes	Panjiva provides data of transaction details for goods traded across borders, with information like company names, product descriptions, values and more.
Panvista Analytics	Equity	Panvista is leading provider of behavioural, visitor data analytics and insights solution for event industry.
Quandl	All Asset Classes	Quandl delivers financial, economic and alternative data to over 150,000 people worldwide. Quandl offers essential financial and economic data alongside a suite of unique, alpha-generating alternative datasets.
Seer Aerospace	Freight	Seer Aerospace provides aircraft usage patterns, and cost and reliability datasets.
ShopperTrak	Equity, Consumer Discretionary	ShopperTrak Retail Analytics suite scientifically monitors and measures shopper traffic, behaviour and conversion data. It helps to analyse store performance across regions, the entire store network, and the wider market and quantify the impact of marketing campaigns on shopper numbers, conversions and loyalty.
SuperData	Information Technology	Founded by veteran games industry researchers, SuperData Research is the world's leading provider of market intelligence. SuperData offers quantitative and qualitative insights on free-to-play games, digital console, mobile, PC downloadable, streaming media and gaming video content, eSports, and virtual reality. SuperData helps its

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Company Name	Asset Class	Company Description
		customers understand what people play, connect to, watch, and spend on.
Tradesparq	Freight	At Tradesparq our mission is to drive trust and transparency in international trade. We do this by offering a free marketplace for buyers, suppliers and trade service providers to find and verify each other. We differ from other trade marketplaces by helping our members use their online relationships, member reviews and actual shipment history to find the most suitable and reliable trade partners.

Corporate Data

Sector data

Company Name	Sector	Company Description
Airports Council International	Industrials	Airports Council International provides cargo data from the top 30 US airports and major international airports.
AllTheRooms	Real Estate	AllTheRooms Analytics is the missing piece to understanding the landscape of the entire accommodations market, not just hotels and traditional lodging. Given our ability to aggregate and catalog every room on the planet, our vacation rental data is sourced from a variety of providers. AllTheRooms is in the unique position of providing the most comprehensive insight into the vacation rental presence in any market.
Almax Information Systems	Equity & All Asset Classes	Almax Information Systems are the end-of-day data specialists for ASX and ASX24 data. Their end-of-day data is based solely on the official values provided by each exchange – and do not use data derived from a real-time feed, which can be inherently flawed with uncorrected errors.
AlphaFlow	Real Estate	AlphaFlow Analytics provides a unique forecasting perspective, leverages local market trends, and allows to quickly analyze and make decisions on investments. Over 50 factors are reviewed as part of the analysis, summarized into Borrower, Market, and Property factors.
American Chemistry Council	Materials	ACA is one of the best global long-term databases of chemical output, trade data and consumption data. Subsectors level data including widely cited "chemicals utilization" indices grouped by region or aggregated worldwide.
American Trucking Associations	Industrials	ATA provides monthly Truck Tonnage Report.
Arab Air Carrier Organization	Industrials	AACO provides monthly Total Aggregate RPKs and ASKs of member airlines. Quarterly Information are broken out by carrier and include Passengers Carried (PAX), Freight Lifted (FL), Revenue Passenger Kilometers (RPKs), Available Seat Kilometers (ASKs), Revenue Ton Kilometers (RTK), and Available Ton Kilometers (ATK). Yearly information represents detailed operations data of individual AACO members and will include all information published in the appendix of AACO AATS publications.
Ascend Worldwide Limited	Industrials	Ascend Worldwide has global and regional breakdowns of airline programs and models parked and in service for each program.
BayStreet Research	Equity & All Asset Classes	BayStreet Research provides timely primary research on the U.S. smartphone, tablet, and connected smartwatch markets. Using a proprietary methodology, BayStreet collects and maintains the premier database of mobile device sell-through data with rolling six month forecasts, and retail and wholesale pricing at the SKU level.
Beijing Chuang Yi Fang Technology (CHINA CCM)	Materials	China CCM offers Basic and Agricultural Chemical data for localized region, AsiaPac concentrating on China data.
Beijing UC Science & Technology (CU Steel)	Materials	CU Steel offers China Steel Production, prices, inventories, coke inventories and China Steel Mills Information.
Black Box (TDn2k)	Consumer Discretionary	Black Box Intelligence is the leading source of private and public company data currently serving the restaurant industry with metrics covering revenue, traffic and consumer data. We provide weekly interactive reports with drill-down capability with industry benchmarks based on the latest operational results.
Bloomberg Tesla Tracker	Consumer Discretionary	A Bloomberg built model to estimate weekly output of the car that could make or break Elon Musk's master plan by counting VIN sequences across National Highway Traffic Safety Administration registrations, social media, and user submissions.

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
Borrell	Consumer Discretionary	Borrell works with more than 700 media properties, Internet "pure-play" companies, investment analysts, and industry vendors. Borrell's work focuses on helping companies understand and capitalize on the evolving media landscape, and to grow revenues exponentially rather than incrementally.
Boxoffice Media LLC	Consumer Discretionary	Boxoffice Media LLC provides box office receipts data.
Brain Company	All Asset Classes	Research Company that creates alternative datasets and develops proprietary algorithms for investment strategies on financial markets.
BrandLoyalties	Consumer Discretionary	Make customer knowledge accessible and actionable for brick and mortar retailers
Bridg	Consumer Discretionary	Provide cost effective, precision research that has value for investors in transports and investors seeking a differentiated, data based way of predicting economic outcomes
Broughton Capital	Consumer Discretionary	Predicting freight flows in each mode. Translating those freight flows into economic forecasts. Converting freight flows, marketplace data, and asset utilization metrics into earnings predictions for transportation companies.
Buddy	Real Estate	Buddy Ohm is a complete resource monitoring solution for commercial, industrial and multi-family residential buildings. The system is made up of Internet of Things (IoT) class hardware, the Buddy Cloud, plus engaging software experiences.
Business Intelligence Advisors	Financials	Based on techniques developed in the Central Intelligence Agency (CIA) and continuously enhanced over 15 years, the proprietary Tactical Behavior Assessment® (TBA™) methodology provides the tools to discover what others are missing regarding the facts and motivations behind corporate and personal disclosures.
Business Monitor International	Telcos	Business Monitor International provides annual Telecom industry data by worldwide regions.
CB Richard Ellis Inc.	Real Estate	CB Richard Ellis offers quarterly Real Estate data such as regional rents and vacancies.
CDU-TEK: Central Dispatching Department of Fuel Energy Complex of Russia	Energy	Russian energy metrics and refinery outage data are provided by CDU TEK.
Chain Store Guide Information Services	Consumer Discretionary, Consumer Staples	Chain Store Guide Information services provide monthly US Chain Store data such as Department Stores, Apparel Specialty Stores, Discount Department Stores, Drug Stores and HBC Chains with Pharmacies, Home Center Operators and Hardware Chains, Home Furnishing Headquarters, Supermarket, Grocery Stores and Convenience Stores, Chain Restaurants, Single Unit Supermarkets ,High Volume Independent Restaurants, Wholesale Grocers and Foodservice Distributors.
ChemOrbis	Materials	ChemOrbis provides a weekly update of Polymer pricing indices (Polypropylene, Poly Vinyl Chloride, Polyethylene and Polystyrene) for South East Asia, Egypt, Turkey, Italy and China.
China National Chemical Information Center	Materials	Daily and Monthly update of China Fertilizer Market data is published by China National Chemical Information Center.
China Real Estate Information Corporation (CRIC)	Real Estate	Real Estate data such as regional rents and vacancies are provided by CRIC.
CogniSent	Information Technology	Comlinkdata helps you make data-driven business decisions with confidence. Our unique, real-time, query-ready data, combined with our telecom expertise, provide you with the insights and tools you need to optimize your business strategies
Comlinkdata	Information Technology	Comlinkdata provide better, timely market data to help the highly competitive and dynamic telecom industry compete and win through data-driven decisions.
CompStak	Real Estate	CompStak gathers and quality checks lease and sales comps from the professionals making deals so you can focus on meaningful networking, accurate analyses, and closing business.
Comscore Inc.	Consumer	Comscore database is updated monthly with comScore top web properties, U.S. core search engine rankings - Shares of searches in percentage, U.S. core search Engine rankings-queries, U.S. core search engine rankings -

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
	Discretionary	qSearch Top 5, top U.S. video content properties by videos viewed, top U.S. online video content properties by unique viewers, top U.S. video content properties, top 15 Ad Networks/ Ad Focus rankings, top global properties based on total hours, top 10 countries by number of searches conducted, worldwide internet breakdown: regional breakdown, ad matrix total display ads by publisher.
Consumer Edge	Consumer Discretionary	Consumer Edge (CE) is a preeminent equity research and alternative data insights boutique focused on the global consumer sector. Since its founding in 2009 CE has focused on the nexus of research and data. CE continues this focus today, delivering leading equity research with next-generation alternative data solutions.
Cooltrader	Equity & All Asset Classes	Cooltrader Pty Ltd supply a low cost, high value for money, method of obtaining ASX end of day data. All data files can be downloaded from either our web site or emailed direct to the end user. Data includes equities, indices, warrants and options, and coming soon – exchange traded options.
CQG	Equity & All Asset Classes	CQG is the industry's highest-performing, most cost effective solution to integrate market data, technical analysis and order routing. Data coverage includes futures, options, FI, FX, equities, indices, news, and reports from around the world. CQG leads the industry in providing reliable data, superior decision making and execution software with customer support that understands the trader.
Crain Communications Inc.	Consumer Discretionary	Cairn provides US monthly unit inventory of car and light truck by model, make, and manufacturer.
CreditRiskMonitor	Financials	CreditRiskMonitor crowdsources click patterns of our subscribers to make bankruptcy risk assessment even more powerful and accurate.
Cropnosis	Materials	Cropnosis, through its Agrochemical Markets Database, allows users to analyze herbicide, insecticide, fungicide and other agrochemical sales by crop for each country and region; identify the main competing companies in the major markets and compare the agrochemical sales split globally and regionally with the leading country markets. Current and historical data on the area and production of all commercially important field and specialist crops by country and region are also included.
CropProphet	Consumer Staples	CropProphet is an Industry-leading Source of Crop Production and Yield Forecasts
Cuebiq	Consumer Discretionary	Cuebiq's platform helps in gaining access to offline consumer insights and measurement tools that are designed to help you generate a positive ROI for your brand. Drive growth by better understanding what is driving visitors to store and why – activate audience insights and measure advertising ROI.
Data Simply	Financials	Data Simply uses machine intelligence to see insights from words, also known as "unstructured data", and turn those into investment signals.
Datalogix	Consumer Discretionary	Datalogix is the industry-recognized leader at connecting digital media and offline purchasing data.DLX Platform, encompasses over \$1 trillion in consumer spending and powers campaigns for more than 75% of online media companies. DLX ROI is rapidly becoming the industry standard for measuring offline sales lift for digital media. Datalogix also offers predictive analytics for Direct Mail, and integrated media solutions via the DLX Net. Their expertise spans the major consumer segments, including Retail, CPG, Automotive, Telecom, Travel and Financial Services.
Datamyne	Industrials	Datamyne offers bill of lading information for imports and exports. It allows tracking of specific cargos.
DataTrek	Financials	DataTrek comes in, delivering a daily email with:Markets: distilling complex market narratives to their core, actionable, essentials.Data: a snapshot of the numbers moving markets and how to profit from them.Disruption: unpacking the greatest story of the 21st century – technological disruption – and what it means for asset prices
Discern	Consumer Discretionary/Staples, Energy, Financials, Real Estate	Discern delivers insights for better investment decision-making. They provide up-to-date data on companies, retail stores, restaurants, oil wells and real estate.
Doane Advisory Service	Materials	Doane Advisory Services provides commodity pricing and supply demand forecasts for commodities like; Barley, Corn, Dairy, Hogs, Sorghum, Soybeans, Wheat, Cattle, Cotton, Rice, Soy Complex and Specialty Oils.
Dodge	Industrials	Dodge Data & Analytics is North America's leading provider of analytics and software-based workflow integration solutions for the construction industry. Building product manufacturers, architects, engineers, contractors, and service providers leverage Dodge to identify and pursue unseen growth opportunities and execute on those opportunities for enhanced business performance.

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
Drewry Shipping Consultants Ltd	Industrials	Drewry Shipping delivers a monthly update of air freight index from Shanghai to 5 destinations - London (LHR), Moscow (DME), Prague (PRG), New York (JFK) and Los Angeles (LAX) & weekly update of Shanghai to Rotterdam average spot freight rate in US\$ per full 40ft container load, excluding terminal handling charge at origin port.
Drillinginfo	All Asset Classes	Drillinginfo delivers business-critical insights to oil and gas industries through a state-of-the-art SaaS platform built on industry-leading data and energy analytics. Our solutions deliver value across the upstream and downstream supply chain empowering exploration and production (E&P), oilfield services, midstream, and financial services companies to be more proactive, efficient, and competitive.
Dun & Bradstreet (PAYDEX)	Financials	Helps small businesses succeed
Edmunds	Consumer Discretionary	Edmunds provides monthly US car manufacturing distribution detail including True Market Value, % Leased, TCI (True Cost of incentives), and TEMSRP by manufacturer and by model.
EODData	Equity & All Asset Classes	EODData are a leading global provider of end of day financial information with data from many of the world's foremost exchanges. Daily updates containing end of day quotes and intraday 1-minute bars can be seamlessly downloaded automatically each day.
eSignal	Equity & All Asset Classes	The eSignal products provide reliable stock, futures, Forex and options market quotes and the fastest connections possible because they are backed by one of the most technically advanced ticker plant infrastructures available, capable of handling the ever-changing demands of the market.
Euromonitor International	Consumer Staples	Euromonitor provides Global, North American, Asia Pac, Eastern Europe, Western Europe Total industry retail sales: Total category retail sales, Top 10 brands in each category by share for the latest year, top 10 country markets for each category by per capita consumption for the latest year and preceding 4 years, top 10 companies in each category by share, Forecast CAGR %, Smoking prevalence by region and country for the latest 5 years.
Everest Group	Information Technology	Everest Group provides annual and quarterly data on Labor Pool (ITO, BPO), delivery center set up, pricing for IT-ADM Services and pricing for non-Voice BPO Services for US, India, Europe Africa, LATAM, Mexico Philippines & China.
Experian Footfall	Consumer Discretionary, Consumer Staples	Experian Footfall provides monthly retail foot traffic data compiled for Western Europe.
Fashionbi	Consumer Discretionary	Fashionbi is a data and insights provider in the Fashion & Luxury industry. Fashionbi data centre monitors 3'500+ brands in 90 countries, from their financials to the digital presence and social media performances.
FHS - Swiss Watch Data	Consumer Staples	FHS provides monthly watch manufacturing data.
First Data Merchant Services Corporation	Financials	First Data Merchant Services give US credit card spending trends, year on year change, prelim, mid-month, and final monthly numbers.
FTR Freight Transport Research Associates	Industrials	FTR provides monthly car class information, including retail sales, inventory, factory shipments, and Inventory/Retail sales ratio.
Genscape	Utilities	Genscape has added satellite reconnaissance, Artificial Intelligence, and maritime freight tracking to its data acquisition capabilities. Genscape Maritime offers exclusive Vessel Coverage of U.S. Inland Waterways and covers 90% of US inland waterways. Genscape measures market fundamentals using thousands of patented and proprietary land, sea, and satellite monitors strategically deployed worldwide, delivering exceptional insight and intelligence to clients. Genscape uses non-contact ground sensors to monitor power lines; such data is used by power grid owners and operators
Gro Intelligence	Commodity, Agriculture	Using the Gro API, which is an HTTP API, clients can access trillions of data points that cover both the supply and demand side of agricultural commodities markets, as well as satellite data capturing weather and environmental indicators.
Health Forum (AHA)	Health Care	Quarterly Healthcare financial data is provided by AHA.
HFR	All Asset Classes	Hedge Fund Research, Inc. (HFR) is the hedge fund industry's "go to" provider of hedge fund index information. We deliver over 200 indices to our clients across the world for their vital hedge fund benchmarking and

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
		performance measurement needs. Beyond indices, HFR delivers high-value visibility into private hedge funds and publicly available liquid alternatives through our hedge fund databases. Our quarterly research reports deliver the latest industry trends to institutional investors and asset managers, who seek to identify both broad and narrow developments across the global hedge fund space.
ICI	Financials	ICI provides US Institutional Money Flow data and is updated weekly.
IMS Quintiles	Health Care	QuintilesIMS is a Health Care service company. They bring proprietary data, new technologies and expert services together to help clients launch successful products
Index Marketing Solutions Limited (World Container Index)	Industrials	Weekly shipping container rates are provided by Index Marketing Solutions.
InfoTEK Publishing House	Energy	Monthly gasoline import, export and production data in the Balkans are aggregated by InfoTEK Publishing House.
Inside Mortgage Finance Publication	Financials	Inside Mortgage Finance provides top 25 mortgage originators and top 25 mortgage servicers on a quarterly basis.
Insights Data Solutions	Real Estate, Equity	IDS combines the data assets of Australia's leading real estate providers with industry-standard government and publicly available data, offering a unique suite of property information solutions that is setting the new benchmark for property data accuracy and insights.
InSpectrum	Information Technology	Mobile Dynamic random-access memory data is offered by InSpectrum.
Intermodal Association of North America (IANA)	Industrials	Monthly Intermodal market trends & statistics are delivered by IANA
International Data Corporation Inc.	Information Technology	International Data Corporation publishes quarterly and annual data sets for Semiconductors, IT services and Telecommunications companies.
Internet Truckstop	Industrials	Internet Truckstop provides weekly newsletter with proprietary data about the health of the trucking market called ITS TRANS4CAST letter.
Intrinio	Equity & All Asset Classes	Provides intelligent Data, On Demand. The financial data platform for developers, investors, students, and educators, with over 200 feeds including real-time, intraday, EOD, and international financial data available via REST API, WebSocket, CSV, Excel .
iResearch	Consumer Discretionary	iResearch provides Asia website traffic statistics.
ISSB Ltd	Materials	Quarterly metals pricing production and distribution data is provided by ISSB Ltd.
IT Finance	Equity & All Asset Classes	IT Finance provide market datafeeds that come directly from global exchanges. These feeds can be provided in a unique normalized format and sent in real-time (ultra-low latency), delayed, or end-of-day. The feeds can be delivered by internet, extranet or leased line.
JustData	Equity & All Asset Classes	JustData has been providing high quality EOD market data services to investors and traders since 1989. JustData's expertise in data execution and maintenance has lead to also providing services to local and international corporations.
JWN Energy	Energy	JWN has provided energy professionals with daily news, data and analysis specific to Canada's evolving energy landscape. JWN's suite of products support daily decision-making, identify business opportunities, and allow users to be part of the ongoing energy conversation.
LIMRA (LL Global Inc.)	Financials	Monthly US Life Insurance and Annuity Sales data are provided by LIMRA.
M&A Portal	Equity	The M&A Portal is a resource for anyone interested in M&A Deals intelligence and information. It host M&A news, deal commentary, features and research papers written by experts across the globe.
Magna Global Research	Consumer Discretionary	US advertising data and distribution data is updated four times in a year and global advertising data twice in a year by Magna Global Research.

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
Manfredi & Associates	Industrials	Quarterly updated market share data by product category, consumption is divided into 3 categories by Manfredi & Associates (quarterly updates): historic (annual) shipments, imports, exports and consumption data.
Manheim	Equity	Manheim are a leading provider of integrated products and services for the vehicle remarketing sector. From vehicle auctions and inspections, to transport and reconditioning, Manheim connects up more of the vehicle remarketing chain, working closely with manufacturers, fleet operators and dealers to support the used vehicle market.
Marketscout Corporation	Financials	Marketscout provides insurance sector data, and is referred to as the barometer information by line of business.
MedMine	Health Care	MedMine is an aggregator of medical products purchase data and a provider of healthcare analytics and informatics. It offers medical device and hospital supply companies, health plans, investors and other participants in the healthcare marketplace information and tools that enable them to make informed business decisions that unlock opportunities and provide a competitive edge. Sourced from hundreds of customers nationally, MedMine has the leading database for medical device/hospital supply procurement.
Millennium Research Group Inc.	Health Care	Quarterly Medical Device Market and Procedure data is available through Millennium Research Group.
Nexant Inc.	Materials	Nexant Inc offers Basic chemicals supply, demand and margin data for Global coverage.
NIC	Real Estate	NIC gives quarterly elderly housing statistics.
Off-Highway Research Limited	Industrials	Off Highway Research Limited provides annual market share by region, market share by product by region, regional sales data- totals, regional unit sales data by product and production unit data by region by product.
Omega Point: a PM platform with AI intelligence	Equity & All Asset Classes	Omega Point's easy-to-use web-based analytics platform is a one-stop strategy analysis dashboard that provides managers with an in-depth view of the factors that are driving their portfolio's performance.
Omney Data	Equity & All Asset Classes	Web data tracking retailer pricing and promotional activity/discounting.
Orbital Insights	Consumer Discretionary	With remarkable advancements in computer vision and cloud computing, Orbital Insight is building a geo-analytics platform for ingesting, processing, classifying and analyzing all types of geospatial data at massive scale creating unprecedented transparency, and empowering global decision makers with a new source of market insights. By analyzing millions of satellite images at a time, equips innovative industry leaders with advanced, unbiased knowledge of socio-economic trends.
Ovum Ltd Us Branch	Telcos	Ovum offers a data pack providing an historical analysis and forecast of 1) fixed line voice, data revenues and connections and wireless voice and data revenues, connections & ARPU for the period 2000 to 2015, 2) smartphone and large screen device shipments and penetration for the period 2008 to 2015, 3) consumer broadband revenue and connections for the period 2000 to 2015 (2005 onwards for Mobile Consumer broadband).
P&I Research	Financials	P&I Research provide annual assets under management by investment company demographics.
Placemeter	Consumer Discretionary, Consumer Staples	Placemeter uses advanced computer vision technology to lift data points from video streams and is robust and built to scale. First, the system handles an ever-increasing amount of video streams. Second, thanks to machine learning, the algorithms process video and classify objects in a wide range of new contexts. They keep track of retail data like: Store door counts, Pedestrian Traffic in front of your store, Street to purchase conversion rate, Impact of black Friday, other sales holidays and seasons.
Quest Offshore	Energy	Quarterly data is provided by Quest Offshore on subsea activity like floating rig contracts, rig assignments, oil well status and subsea awards and subsea capital expenditure. Their database includes Subsea Database and global prospects report.
RandomWalk	Consumer Discretionary	Random Walk is a technology driven independent equity research firm providing investment insight on the consumer sector. Their systems and proprietary methodology harvest real-time data on the online behavior of millions of consumers. They uncover actionable investing opportunities based on intra-quarter data not yet available to Wall Street consensus. Clients are alerted to these unforeseen changes in consumer trends and how they could impact revenues and growth trajectories
Real Capital Analytics	Real Estate	Real Capital Analytics delivers data for different US Property Types: Office, Flex/Industrial, Apartment, Hotel, Regional Mall, and Community Shopping Center. Data provided include: 12 month moving average cap rate and

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
		price per square foot; total investment sales volume (\$, # of units, # of transactions, # of transactions with cap rate observations)
Redbook Research Inc.	Consumer Discretionary/Staples	Redbook Research provides retail Redbook Index: percentage change from week/month/year ago.
REIS	Real Estate	REIS provide monthly Real Estate data such as regional rents and vacancies data.
RepRisk	Financials	RepRisk is the only ESG research provider to cover private companies, as well as emerging and frontier markets. Their suite of powerful risk management and compliance tools helps to reduce blind spots and shed light on potential business conduct risks that may lead to reputational, compliance, and financial risks.
Rigdata	Oil	Platts RigData provides information pertaining to drilling activity in the United States, the Gulf of Mexico and western Canada for the oil and gas industry. They publish reports on a daily, weekly or monthly basis and also have subscription web-based services.
RigLogix	Energy	RigLogix provides offshore rig data like rig specifications, equipment details and rig status.
RS Metrics	Equity & All Asset Classes	RS Metrics is the leading provider of applications and data from large- scale analysis of satellite and aerial imagery, and other geospatial information sources.
RxData.net	Health Care	RxData provides data on pharmaceutical pricing, reimbursement, formulary placement and regulatory registrations.
Rystad Energy	Energy	Rystad Energy is an independent energy research and business intelligence company that provides data, tools, analytics and consultancy services to clients exposed to the energy industry. Their provide products on energy fundamentals, oil and gas markets, oilfield services and renewables.
Semiconductor Equipment & Materials International (SEMI)	Information Technology	SEMI delivers worldwide semiconductor equipment market statistics.
Shanghai Metals Market	Materials	Monthly metals production and distribution data are published by Shanghai Metals Market.
Shoppertrak Rct Corporation	Consumer Discretionary/Staples	Shoppertrack Corporation provides monthly US Retail traffic data.
Sigmai	Equity	Newful equities is a suite of five tools for equity analysts, traders and portfolio managers. It's built around using a combination of NLP and Machine Learning to classify corporate news from a very set of sources.
SJ Consulting Group Inc.	Industrials	Quarterly and Annual transportation data is provided by SJ Consulting Group.
Sky Watch	Consumer Discretionary/Staples, Energy, Materials	Skywatch's satellite data is used by people in the mining industry to inspect areas of interest; by oil companies to monitor pipelines; and by farmers to monitor their crops. Market intelligence companies also use the data to count cars in parking lots and the number of construction cranes that are in use across the entire country. Sky watch wants to make it easy to monitor the progress of crops, predict the markets, track ship and airplanes, measure global warming, or create other game-changing applications.
Skydeo	Equity & All Asset Classes	Skydeo works with leading mobile marketers and mobile app developers to create high value audiences from millions of raw device data points. Founded in Boston in 2015.
Smith Travel	Consumer Discretionary	Smith Travel provides monthly lodging data and occupancy rates.
SNL Kagan	Consumer Discretionary	SNL Kagan's database has annual net advertising revenue, affiliate revenue, operating revenue and cash flow data for Cable and HD networks, broadcast networks, Telco, Home video and wireless companies.
Stax	Equity	A leading global strategy consulting firm providing actionable, data-driven answers to clients' critical strategic questions. Relationships spanning more than two decades with public and private corporations, private equity firms, their portfolio operations groups and portfolio companies. Deep expertise across industries, continents, and business cycles to help firms drive growth, enhance profits, increase value, and make better investment decisions.
Steel Orbis	Materials	Steel Orbis offers monthly steel pricing data.

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
STR	Real Estate, Commodity Energy	Our mission is to provide solutions through best data, to expand benchmarking possibilities, to drive industry standards, and to encourage evolved thinking about data. Each and every day, we strive to empower people and businesses to reach new heights.
Sustainalytics	Equity	Sustainalytics is a global leader in ESG and Corporate Governance research and ratings. Over the last 25 years, we have brought together leading ESG research and client servicing professionals to retain that personal touch that has helped us to grow. Today, Sustainalytics supports hundreds of the world's foremost investors who incorporate ESG and corporate governance insights into their investment processes.
Tecnion Orbichem	Materials	Monthly Quarterly and Annual pricing, Contract production margin, Capacity, Production, Percent offline (outages), Net Exports, Consumption and Consumption by End Use data is supplied by Tecnon Orbichem.
Teragence	Telcos	We believe that there should be a better, more agile and more immediate way to understand operator performance. We are working to bring a faster, more data-driven way to analyse and understand network performance, and to lift up crowdsourcing from a marketing gimmick to a real operational tool.
The Fertilizer Institute	Materials	The Fertilizer Institute gives monthly Chemical Production, Imports, Exports, Total Ending Inventory and Producer Disappearance for North America.
Tipigo	Equity	Tipigo provides algo-based market insights by analyzing professional equity analysts in order to help money managers achieve excess returns
Tobacco Merchants Assoc Inc.	Consumer Staples	Tobacco Merchants Association provides World Cigarette Guide - Top 10 Producers of Cigarettes by country, Top 10 Consumers of Cigarettes by country, Top 10 Importers of Cigarettes by country, Top 10 Exporters of Cigarettes by country, Top-Selling Cigarette Brands, Domestic Cigarette Sales by Manufacturer, Indicated Retail Price for Cigarettes.
Transport Topics Publishing Group	Industrials	Transport Topics Publishing Group provides a list of Annual Transport Topics (TT) Top 100 For-Hire Carriers, TT Top 100 Private Carriers, TT Top 50 Logistics Companies.
Tribe Dynamics	Consumer Discretionary	Tribe help PR, communications, and marketing departments at emerging and established brands in passion-driven industries (beauty, fashion, travel, fitness) to scale and operationalize their internal influencer programs. It provides software, data, and industry expertise to discover new influencers, measure all initiatives (PR sends, events, collaborations), and benchmark performance against the competitors.
Triton Research	Financials	Triton develops analytically-rigorous insights and information about companies in the innovation and disruption economies using primary and thousands of secondary sources. They designed product exclusively for institutional investors and acquirors to enhance data-driven decision-making.
U.S. Census Bureau - U.S. Coal Export/Import Data	Materials	The U.S. Census Bureau publishes monthly US Coal import/export data.
UBS Evidence Lab	Financials	UBS Global Wealth Management provides comprehensive advice, solutions and services to wealthy families and individuals around the world. Clients who work with UBS benefit from a fully integrated set of wealth management capabilities and expertise, including wealth planning, investment management, capital markets, banking, lending and institutional and corporate financial advice.
Veronis Suhler Stevenson	Consumer Discretionary	VSS provides quarterly US Advertising spending data.
VesselValue	Industrials	VesselValue offers vessel valuations data.
Vestdata	All Asset Classes	Vestdata specialise in providing complete data solutions for corporate SMSF and Portfolio management platforms. They provide custom data feeds containing security, dividend, corporate action, managed funds, distributions and asset allocation data.
Wards Automotive Group	Industrials	Wards Automotive Group's database contains monthly car class info including retail sales, inventory, factory shipments and Inventory/Retail sales ratio.
World Bureau of Metal Statistics	Materials	World Bureau of Metal Statistics provides quarterly metals (including gold) pricing data.

Alternative Data Directory – Vendors by Data Source

Company Name	Sector	Company Description
Zephyr	Equity & All Asset Classes	Zephyr is the most comprehensive database of deal information - and it's updated hourly. Zephyr is one of a range of solutions BVD offer for corporate finance research. Zephyr contains information on M&A, IPO, private equity and venture capital deals and rumours

Text parsing

Company Name	Asset Class	Company Description
Accern	Equity	Accern has rapidly grown to become the market leader in the news and social analytics space in terms of content coverage. Trading alerts and analytics are derived from relevant finance-related news processed on over 300 million public news websites, blogs, social media websites such as Twitter, and public financial documents such as SEC filings. Accern primarily serves institutional investors. The majority of our current clients are quantitative hedge funds. Many small firms are coming to us because of our flexible and affordable pricing options. Large firms are coming to us due to our dedicated support, news source customization, and much more. Aside from hedge funds, our existing clients include pension and endowment funds, banks, brokerage firms, and more.
Alphamatician	Equity, Real Estate	Alphamatician collect data from dozens of sources that collectively build a clear picture of such things as company and brand health, product and product category pricing and demand trends, customer engagement, and company risk factors. And also track real estate markets and numerous other sources. Cover more than 5,000 publicly traded companies across North America, Europe and Asia. We also cover thousands of privately held companies and individual brands. Alphamatician provides access to dataset and insights of FaceBook, Instagram, E Commerce, Brower Statistics, Complaints, SEC filings, Twitter, Pinterest, Employment, Mobile Apps, Promotional Activity data
Amenity Analytics	Equity & All Asset Classes	Amenity provides cloud-based natural language processing (NLP) solutions help businesses draw actionable insights from text on a massive scale.
Edgar Online	Equity	EDGAR® Online serves as the reporting engine for financial and regulatory filings for companies worldwide. This puts us in a unique position of having a huge repository of financial and company data. Financial statements, annual and quarterly filings, disclosures, initial and secondary public offering details, money market holdings, XBRL-tagged and as-reported summaries in its raw form is just data, but through EDGAR Online content subscriptions the data becomes a wealth of insight to drive your business decisions.
Enigma	Oil, Health Care, Equity	Enigma is building data discovery and analytics tools that make it simple for organizations to liberate their own private data that is locked away in data silos and obscure formats, just waiting to be released, and for the wider community to explore and build upon Enigma's own integrated public data platform. Enigma has created Signals, a set of applications that leverage billions of public data points to allow to automate intelligent decision-making at scale.
Interconnect Analytics	All Asset Classes	INTERConnect Analytics technology measures, monitors and reports on textual big data in real time providing market specific insight.
Selerity	Event, Macro, Equity, Oil	Selerity is the market leader in detecting and delivering machine-readable event data in real-time as events are breaking. The Selerity Intelligence Platform pulls market-moving, factual information from public-only sources using proprietary real-time search and extraction technology. The product offering is designed for automated investment professionals looking to incorporate events into their risk management and trading strategies. Selerity offers the following market-moving event data: Global Economic Indicators, U.S. Corporate Earnings, Same Store Sales and Guidance, Monthly Auto Sales, U.S. Earnings Date Announcements, U.S. Dividends, Genscape Cushing Oil Storage Data, EIA energy Statistics, US M&A events and U.S. Earnings Pre-announcements.

Macroeconomic data

Company Name	Asset Class	Company Description
CESSDA	Macro Economic	CESSDA stands for Consortium of European Social Science Data Archives. CESSDA provides large scale, integrated and sustainable data services to the social sciences. It brings together social science data archives across Europe, with the aim of promoting the results of social science research and supporting national and international research and cooperation.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
EconData	Macro Economic	Several thousand economic time series, produced by a number of U.S. Government agencies and distributed in a variety of formats and media, can be found here. These series include national income and product accounts (NIPA), labor statistics, price indices, current business indicators, and industrial production. The EconData Archive page contains U.S., State and Local, and International databanks that have not been updated for several years. These series are all in the form of banks for the G regression and model building program.
Exante Data	Macro Economic	Exante delivers proprietary data and analytical solutions that allow extraction of information from new data sources and provide insights into future macro dynamics.
IhsMarkit	Macro Economic, Equity, Energy, Commodity	IHS Markit is a dynamic team that includes analysts, data scientists, financial experts and industry specialists to generate global information expertise spanning across numerous industries, including leading positions in finance, energy and transportation.
IMF DATA	Macro Economic	The IMF publishes a range of time series data on IMF lending, exchange rates and other economic and financial indicators. Manuals, guides, and other material on statistical practices at the IMF, in member countries, and of the statistical community at large are also available.
MAC Data	Macro Economic	Collection of various global economic indicators maintained by J.P. Morgan's in-house economic team.
OECD Data	Macro Economic	OECD Stat includes data and metadata for OECD countries and selected non-member economies. GDP, FDI, Health, unemployment, income distribution, population, labor, education, trade, finance, prices, Economic Outlook, Government Debt, Social expenditure data is available via OECD Stat.
Pluribus Labs	MacroEconomic	Sentiment analysis based on various public news sources and social media.
Quexopa	All Asset Classes	QueXopa is a consumer pricing data services provider that enables decision makers in all areas of government and industry to gain accurate insights into Latin America. They offer three unique service offerings, the Latin American CPI, Managed Data Sets and our tailored On-Demand Data. QueXopa uses a proprietary approach to track consumer prices for 18 Latin American markets for goods and services while removing the inaccuracies due to historical unreliability, political corruption, lack of data infrastructure, and oversight.
ThinkNum	Equity	Analysts from around the world are building the largest repository of financial models on ThinkNum. ThinkNum monitors companies' websites and can be used to access the web's financial knowledge.
Trading Economics	Commodity	Trading Economics provides its users with accurate information for 196 countries including historical data for more than 300,000 economic indicators, exchange rates, stock market indexes, government bond yields and commodity prices. Our data is based on official sources, not third party data providers, and our facts are regularly checked for inconsistencies.
UN Data	Macro Economic	The United Nations Statistics Division (UNSD) of the Department of Economic and Social Affairs (DESA) launched a new internet based data service for the global user community. It brings UN statistical databases within easy reach of users through a single entry point. The numerous databases, tables and glossaries containing over 60 million data points cover a wide range of themes including Agriculture, Crime, Education, Employment, Energy, Environment, Health, HIV/AIDS, Human Development, Industry, Information and Communication Technology, National Accounts, Population, Refugees, Tourism, Trade, as well as the Millennium Development Goals indicators.

Accounting data

Company Name	Asset Class	Company Description
AAER dataset	Equity	Since 1982, the SEC has issued Accounting and Auditing Enforcement Releases (AAERs) during or at the conclusion of an investigation against a company, an auditor, or an officer for alleged accounting or auditing misconduct. The dataset currently consists of 3,813 SEC AAERs (1,540 firm misstatement events) issued since May 17th 1982. It contains 1,019 firm misstatement events that affect at least one of the firms' quarterly or annual financial statements.
Audit Analytics	Equity	Audit Analytics tracks in detail the issues related to audit, compliance, governance, corporate actions, and federal litigation from a broad range of public disclosures, including approximately 20,000 SEC company registrants. It quantifies disclosures related to the quality of financial reporting for public companies, and provides information on events such as financial restatement, SEC comment letter, or merger and acquisition.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
IRS 990 Filings on AWS	Equity	Machine-readable data from certain electronic 990 forms filed with the IRS from 2011 to present.
Markit Securities Finance	All Asset Classes	Markit (previously DataExplorer) provides global securities financing data. The dataset covers more than \$15 trillion of global securities in the lending market spanning over 20,000 institutional funds. It includes more than 3 million intraday transactions dating back 10 years. Markit crowdsources the data directly from leading industry practitioners in the stock lending market, including prime brokers, custodians, asset managers and hedge funds.
Optimum Complexity	Equity & All Asset Classes	Optimum creates investment strategies based on complexity. It provides risk analysis data for assessing tickers based on organizational complexity.
Pro Publica	Equity & All Asset Classes	ProPublica's Nonprofit Explorer lets you view summaries of 2.2 million tax returns from tax-exempt organizations and see financial details such as their executive compensation and revenue and expenses

China/Japan data

Company Name	Asset Class	Company Description
China Money Network	All Asset Classes	China Money Network is the go-to source of information and intelligence for millions of global investors looking to invest in the Greater China region. China Money Network's services include real time coverage of China's venture capital, private equity and institutional investment industries; a top-rated audio/video podcast featuring prominent China-focused investment managers; an alternative investment manager's database; offline events connecting top investors, a Chinese language platform ZhongguoJinrongTouziWang.com, and other value-added services bridging global investors with China opportunities.
Credit Ease	Equity, Consumer Credit	CreditEase is a leading FinTech company in China, specializing in small business and consumer lending as well as wealth management for high net worth and mass affluent investors. It is a Standing Committee member of China's Internet Finance Industry Association and Chairman of Beijing Marketplace Lending Association. Its majority owned subsidiary Yirendai (NYSE: YRD), an online consumer finance marketplace, is listed on the New York Stock Exchange. They disclose loan data to a public Chinese Marketplace Lender website: www.wdzj.com
DataYes	Equity	DataYes is China's leading edge financial technology company founded by a group of experts in the fields of finance and internet technology. They provide comprehensive financial data, reports and news, as well as proprietary alternative data for in-depth sector research
Gildata	Equity	Gildata is a data service provider based in Shanghai, and is a subsidiary of financial software firm Hunsun Technologies. It provides financial data terminal, products and services through its platform
RedTech	Information Technology	RedTech provides primary data and non-traditional company and industry research focused on China's internet sector. They are focused on BABA, BIDU, Tencent, JD, CTRP, WB, EDU, TAL, VIPS, Ant Financial, Meituan, Didi, and Toutiao, which have a combined market value of more than US\$1 trillion. RedTech's methodology comprises regular meetings with RedTech's industry contacts, regular surveys of industry professionals and consumers, focus groups, and proprietary mobile datasets. The result is evidence-based research focused on company-specific inflection points and key industry drivers.
Toyo Keizai	Equity	Toyo Keizai provides fundamentals, estimates and shareholder data covering listed companies in Japan, as well as data on affiliated Japanese companies overseas. The earnings estimate data are based on independent research by analyst in Toyo Keizai. Other information is collected from the questionnaire surveys conducted by Toyo Keizai as far back as 40 years ago. Part of the Toyo Keizai database can also be accessed from FactSet.
Wind	All Asset Classes	Wind is the premier provider of Chinese financial information, covering stocks, bonds, funds, indices, warrants, commodity futures, foreign exchanges, and the macro industry.

Government Agencies Data

Federal or regional data

Company Name	Asset Class	Company Description
Australia Data	Macro Economic	Australia Data provides a central catalogue to discover public data. It also provides hosting for tabular, spatial and relational data with hosted APIs and the option for agencies to link data and services hosted by other government sources. Improving the quantity and quality of the government data and the data.gov.au stack will be

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		an ongoing process. In addition to open datasets, the data.gov.au catalogue includes unpublished data and data available for purchase.
Australian Antarctic Data Centre (AADC)	Equity, Macro Economic	The Australian Antarctic Data Centre (AADC) was established in 1996 to provide long-term management of Australia's Antarctic data, thereby improving the value and impact of our scientific activities. The Data Centre is committed to the free and open exchange of scientific data.
Brazil	Macro Economic	Brazilian open data portal provides data on health, transportation, traffic, housing and environment data.
Canada Open Data	Macro Economic	Government of Canada offers Government of Canada services, financials, national demographic information, high resolution maps and more through our open data portal, your one-stop shop for Government of Canada open datasets.
China Gov. data	Macro Economic	The National Bureau of Statistics of the People's Republic of China or NBS is charged with the collection and publication of statistics related to the economy, population and society of the People's Republic of China at national and local levels.
CIA Data	Macro Economic	The World Factbook provides information on the history, people, government, economy, geography, communications, transportation, military, and transnational issues for 267 world entities. Reference tab includes: maps of the major world regions, as well as Flags of the World, a Physical Map of the World, a Political Map of the World, a World Oceans map, and Standard Time Zones of the World.
City Data	Equity, Real Estate	City-Data collects data from a variety of government and private sources, and able to create detailed, informative profiles for every city in the United States. One can find data from crime rates to weather patterns of cities and also visualize in predefined templates.
Data Catalogs	Macro Economic	This website is a project and home of the Working Group on Open Government Data at the Open Knowledge Foundation. Open Government Data means i) data produced or commissioned by government or government controlled entities. ii) Data which can be freely used, reused and redistributed by anyone.
Data Norfolk	Equity, Macro Economic	Data on City of Norfolk, VA
Data.NSW	Equity, Macro Economic	Data.NSW is an overarching program providing policy, platforms and practice for NSW data that supports better customer service, policy development, responsiveness and innovation. It is a collaboration between different data functions, including Spatial Services, Digital Government Policy and Innovation, Data Analytics Centre and Behavioural Insights.
DataFerrett	Macro Economic	DataFerrett is a data analysis and extraction tool to customize federal, state, and local data to suit your requirements. Using DataFerrett, you can develop an unlimited array of customized spreadsheets that are as versatile and complex as your usage demands then turn those spreadsheets into graphs and maps without any additional software.
Enigma	Equity, Real Estate, Macro Economic	Enigma is building data discovery and analytics tools that make it simple for organizations to liberate their own private data, and for the wider community to explore and build upon Enigma's own integrated public data platform. Enigma's public data platform unifies billions of data points from more than 5,000 local, state, federal, and international sources. Explore things as diverse as SEC filings, government spending contracts, liens, patents, asset ownership, bills of lading, and much more.
European Union Open data	Macro Economic	The European Union Open Data Portal is the single point of access to a growing range of data from the institutions and other bodies of the European Union (EU). Data are free for you to use and reuse for commercial or non-commercial purposes. The EU Open Data Portal is managed by the Publications Office of the European Union. Implementation of the EU's open data policy is the responsibility of the Directorate-General for Communications Networks, Content and Technology of the European Commission.
Federal Reserve Bank of St. Louis	Equity, Macro Economic	Federal Reserve Bank of St. Louis allows to graph and download economic data from Jan 1992 to Mar 2019 about business, sales, USA, and Public Domain.
France Gov. Data	Macro Economic	This is an open platform for French public data.
GB. Office for National Statistics	Equity, Macro Economic	The UK's largest independent producer of official statistics and the recognised national statistical institute of the UK. Responsible for collecting and publishing statistics related to the economy, population and society at national, regional and local levels.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
Germany Gov. Data	Macro Economic	In the information area, you find everything worth knowing about the topics of Open Data, Open Government and citizen participation. Information is targeted for citizens as well as people from; economic, science, administration, and civil society organizations and media.
Global Health Observatory	Macro Economic	Global Health Observatory is a gateway to health related statistics for more than 1000 indicators for its 194 member states.
Global Open Data Index	Macro Economic	The first initiative of its kind, the Global Open Data Index provides the most comprehensive snapshot available of the global state of open data.
GovSpend	All Asset Classes	A technology company that aggregates purchase order data from local, state, and federal government agencies to provide searching, reporting, and analysis capabilities.
Hong Kong Data	Macro Economic	This is the public sector information portal of the Government of the Hong Kong Special Administrative Region. Data Categories: Climate Weather, Commerce and Industry, Employment and Labor, Food, Housing.
India Open Government Data	Macro Economic	Open Government Data Platform India has 4 (four) major modules; 1) Data Management System, 2) Content Management System, 3) Visitor Relationship Management, 4) Communities-Module for community users to interact and share their zeal and views with others who share common
Italy	Macro Economic	This is an open government data platform for Italy.
Jackson County GIS	Equity, Macro Economic	This is a public platform for exploring and downloading open data, discovering and building apps, and engaging to solve important local issues. One can analyze and combine open datasets using maps, as well as develop new web and mobile applications.
Japan Gov. Data	Macro Economic	This Site is the Data Catalog Site of the Japanese Government. Its purposes are to provide a sphere for the use of data owned by different governmental ministries and agencies as open data and to present the image of open data to both data providers and data users. It will encourage the use of open data and help collect examples of use. From an international perspective, publicity will be increased as an initiative of the Japanese government for an integrated open data site.
Korea	Macro Economic	It is an open platform for Korea public data.
Liquor and Cannabis Board data portal	Equity, Consumer Credit	The Washington State Liquor and Cannabis Board (WSLCB) is the agency responsible for licensing and regulating liquor and marijuana. This portal provides a means of increasing public access to data managed by the WSLCB, supporting transparency in government and Washington's marijuana market evolution.
Mexico	Macro Economic	Open data initiative of government of Mexico.
New Zealand	Macro Economic	New Zealand Data is a directory of publicly-available New Zealand government datasets. The site focuses on machine-readable (ie, well-structured and open) datasets, but recognizes that "grey" data (for example, web pages) can still be of use to developers and others. We're working with agencies to improve data formatting. Official Statistics are produced by government departments to provide information for government and government departments, local government, businesses and the general public.
Norway	Macro Economic	Data.norge.no is a registry of open data in Norway. We also offer guidance as well as your hotel for businesses that want to use our technical infrastructure to publish their own data in machine readable formats. Examples of open data include financial statements and budgets. Results from surveys and Addresses and contact information for businesses.
NYC Opendata	Equity, Macro Economic	Open Data is free public data published by New York City agencies and other partners.
OPPNADATA	Equity & All Asset Classes	The public sector in Sweden creates vast amounts of data every day. Data about our health, welfare and environment. About Swedish competitiveness and economy. About geography, meteorology, forestry and agriculture – and more. By making this data available, citizens and companies can use them – and help solve challenges and social problems.
Oregon state data (U.S.)	Equity & All Asset Classes	In 2011 Oregon launched the Data.Oregon.gov providing you the ability to view, search, sort, filter, and download data.
Queensland Government Data	Equity, Macro Economic	Queensland government data for transport, health , natural resources and environmental sciences

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
RCMD	Equity & All Asset Classes	RCMD catalogs studies across the social science disciplines and provides SAS, PASW (formerly SPSS), and Stata files for the studies in the RCMD collection. Online analysis is available for some of them. This enables users to perform statistical procedures on a dataset without downloading it or requiring specific statistical packages.
Russia	Macro Economic	This is an open government data platform for Russia
Singapore Data	Macro Economic	It aims to make government data relevant and understandable to the public, through the active use of charts and articles. Economics, Education, Finance, Transport, Technology data is available.
Socrata	Macro Economic	Socrata is the market leader in Cloud-based Data Democratization solutions for Government (CDDG). Socrata provides a software-as-a-service (SaaS) data platform and cloud applications exclusively for city, county, state and federal government organizations, allowing government data to be discoverable, usable, and actionable for government knowledge workers and the citizens they serve.
South Africa	Macro Economic	This is an open platform for South Africa public data.
Spain	Macro Economic	Open data initiative of government of Spain offers Public sector, Environmental, Healthcare, transport, employment, energy, housing data.
Sweden	Macro Economic	Open data initiative of government of Sweden offers data related to the Environment, transport etc.
Taiwan	Macro Economic	It is an open platform for Taiwan public data.
Trade and Tariff Data	Macro Economic	Trade and tariff data provided from World Trade Organization.
UK	Macro Economic	Open data initiative of government of UK offers data related Environment, transport, government spending, business and economy and Health etc.
UK Healthcare Data	Macro Economic	Trusted national provider of high-quality information, data and IT systems for health and social care.
UNICEF Data	Macro Economic	UNICEF maintains a series of global databases for tracking the situation of children and women globally. The databases include only statistically sound and nationally representative data from household surveys and other sources. They are updated annually through a process that draws on a wealth of data maintained by UNICEF's network of 140 country offices.
US Gov. Data	Macro Economic	Open government data is important because the more accessible, discoverable, and usable data is, the more impact it can have. These impacts include, but are not limited to: cost savings, efficiency, fuel for business, improved civic services, informed policy, performance planning, research and scientific discoveries, transparency and accountability, and increased public participation in the democratic dialogue. Below are just a few examples of citizens leveraging open data. Topics include: Agriculture, Climate, Consumer, Energy, Fin, Manufacturing, and Maritime.
US Healthcare Data	Macro Economic	This site is dedicated to making high value health data more accessible to entrepreneurs, researchers, and policy makers in the hopes of better health outcomes for all. And it has over 3100 datasets and over 7000 resources.
Victorian Government open data	Equity, Macro Economic	data.vic.gov.au helps discover and access Victorian Government open data
Vigilant	Equity, Consumer Credit	Public records data provider with real-time alerts across courts, lobbying records, business filings, and campaign financing, among others.
World Bank	Macro Economic, Equity, Energy, Commodity	World Bank provides free access to global development data by country and indicators like agriculture and rural development, aid effectiveness, climate change, economy and growth, financial sector social development energy and mining etc.

GSE data

Company Name	Asset Class	Company Description
Asset Macro	Macro Economic	Access to Historical & Live Data of 20,000 Financial Data & Macroeconomic Indicators of Global Markets & Economies.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
CEIC Data	Equity, Macro Economic	CEIC Data provides the most expansive and accurate data insights into more than 200 economies. Their databases cover Brazil, China, India, Indonesia and Russia in even greater depth with micro, regional and sector data.
Companies House UK	Equity & All Asset Classes	Companies House is the government regulated body that incorporates and dissolves limited companies; examines and stores company information delivered under the Companies Act and related legislation. It is also responsible for making this information available to the public.
Environment Agency UK	Equity & All Asset Classes	The environment agency runs the CRC scheme which regulates the environmental impact of the top 3000 UK companies.
FedStats	Macro Economic	A trusted source for federal statistical information since 1997. FedStats supports a community of practice for over 100 agencies engaged in the production and dissemination of official federal statistics, and provides the public with a showcase of information, tools and news related to official federal statistics.
Haver Analytics	Macro Economic	Haver Analytics updates and manages 200 plus databases from over 1350 government and private sources. The data offering ranges from daily market data to annual economic statistics and most time sensitive data are updated within minutes of release. Global economic and financial coverage includes country-sourced macro detail, financial indicators, daily & weekly, industry, international organizations, forecasts and as reported, and U.S. regional.
IMF Data	Macro Economic	IMF Data provide access to macroeconomic and financial data and has data related to external sector, fiscal sector, financial and real sector.
International Labour Organization	Macro Economic	It is a collection of databases connected to Labour unemployment characteristics
OECD.Stat	Macro Economic	OECD.Stat includes data and metadata for OECD countries and selected non-member economies. GDP, FDI, Health, unemployment, income distribution, population, labor, education, trade, finance, prices, Economic Outlook, Government Debt, Social expenditure data is available via OECD.Stat.
Qlik	Macro Economic	Qlik recently acquired DataMarket. The DataMarket dataset allows users to visualize the world's economy, societies, nature, and industries, with 100 million time series from UN, World Bank, Eurostat and other important data providers
The BIS International Financial Statistics	Macro Economic	Bank for international settlement has data of 1) International Banking and Financial statistics a) Banking b) Debt securities c) Derivative statistics 2) Government Financial conditions a) Global liquidity indicators b) Credit to the non-financial sector c) Credit to GDP sector d) Debt service ratios e) External Debt statistics 3) Price and Exchange Rates a)Consumer prices b) Property prices c) Effective exchange rates 4) Payment Systems a) Statistics on payment, clearing and settlement systems.
United Nations	Macro Economic	A good collection of historical data points. That can serve as a useful backdrop for real time data from elsewhere
US Census Bureau	Macro Economic	The Census Bureau's mission is to serve as the leading source of quality data about the nation's people and economy. We collect Decennial Census of Population and Housing, Economic Census, Census of Government, American Community Survey, Economic Indicators.

Alternative Data Directory – Vendors by Data Source

Data from Sensors

Satellites

Satellite imagery for agriculture

Company Name	Asset Class	Company Description
aWhere	Agriculture, Commodity	aWhere operates a global-scale agronomic modeling environment with immense processing capacity that collects over seven billions points of data every day to create unprecedented visibility and insight across the agricultural earth. aWhere is helping to transform how agricultural decisions are made by providing a level of visibility and insight that has never existed before.
Digital Globe	Energy, Commodity	Digital Globe's satellites collect over three million square kilometers a day, giving access to all parts of the globe and revisit at a high rate, so one can detect changes over extremely short periods of time. Sixteen year image library has unmatched spatial resolution and global coverage. Provides elevation and terrain information which is foundational to mapping and understanding the surface of our planet. With global coverage and the ability to order custom-built models, DigitalGlobe's Advanced Elevation Series provides the Digital Surface Models or Digital Terrain Models you need without the challenges of local access with options ranging from 2 m to 8 m in accuracy and resolution.
DroneDeploy	Agriculture, Real Estate, Commodity	DroneDeploy allows automating drone flights and exploring map data directly from app. They provide Orthomosaics, terrain models, NDVI analysis and 3D models for Agriculture, Construction and Mining industries. Make real time measurements including distance, area and volume. View NDVI helps in detecting crop stress and variability
Genscape	Commodity, Agriculture, Freight	Genscape has added satellite reconnaissance, Artificial Intelligence, and maritime freight tracking to its data acquisition capabilities. Genscape Maritime offers exclusive Vessel Coverage of U.S. Inland Waterways and covers 90% of US inland waterways. Genscape measures market fundamentals using thousands of patented and proprietary land, sea, and satellite monitors strategically deployed worldwide, delivering exceptional insight and intelligence to clients. Genscape uses non-contact ground sensors to monitor power lines; such data is used by power grid owners and operators
HySpecIQ	Commodity, Agriculture, Energy	HySpecIQ will unlock the power of high resolution hyperspectral imaging with latent power of data fusion, cloud computing and advanced big data analytical algorithms derived from our low earth orbiting small satellites to serve national security, civil and commercial clients. Our tailored hyperspectral-driven decision support tools, risk management solutions and monitoring capabilities will be used to develop important applications in natural resource industries such as Mining, Oil & Gas, Agriculture as well as Insurance and Government.
ICEYE	Commodity, Agriculture, Oil	ICEYE provides access to timely and reliable satellite imagery. ICEYE resolves challenges in sectors such as maritime, disaster management, insurance, finance, security and intelligence.
Mavrx	Commodity, Equity	Mavrx uses imagery and data to bring actionable insights to the global agriculture industry.
Orbital Insights	Agriculture, Oil, Equity	With remarkable advancements in computer vision and cloud computing, Orbital Insight is building a geo-analytics platform for ingesting, processing, classifying and analyzing all types of geospatial data at massive scale creating unprecedented transparency, and empowering global decision makers with a new source of market insights. By analyzing millions of satellite images at a time, equips innovative industry leaders with advanced, unbiased knowledge of socio- economic trends.
Rezatec	Agriculture, Commodity	Rezatec is the specialist geospatial data analytics company providing valuable and actionable landscape intelligence as a critical decision-support tool to help drive the smart management of land-based assets and serves customers around the world, spread across the Agribusiness, Oil & Energy, Water, Forestry, Urban Infrastructure, Commodities and FMCG sectors. Satellite-derived geospatial analytical insights for Commodities including: Wheat, Maize, Rice, Coffee, Cotton, Sugar, Metals, Energy and Timber. Using the most appropriate Earth Observation techniques from a multitude of data sources including satellite optical and RADAR data, aerial and unmanned aerial vehicle (UAV) imagery and ground-based observations, Rezatec provide decision support tools to help agribusinesses.
Sky Watch	Commodity, Agriculture, Oil	Skywatch's satellite data is used by people in the mining industry to inspect areas of interest; by oil companies to monitor pipelines; and by farmers to monitor their crops. Market intelligence companies also use the data to count cars in parking lots and the number of construction cranes that are in use across the entire country. Sky watch wants to make it easy to monitor the progress of crops, predict the markets, track ship and airplanes, measure global warming, or create other game-changing applications.
Tailwind Imaging	Information	Our mission is to change the world for the better one little way at a time. We want to make imagery more

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
TellusLabs	Technology	affordable so that anyone can afford imagery for solving everyday problems.
	Agriculture	TellusLabs combines decades of satellite imagery with a machine learning platform to answer critical, time-sensitive economic and environmental questions. They use terabyte-scale satellite and weather database that is updated every 24 hours with the latest plant health, local weather, and crop conditions to train across decades of historical data and all 175 million acres of US corn and soy cropland. Tellus Lab's game-changing technology enable efficient and intuitive access to very large and complex planetary-scale geospatial data sets, combined with state-of-the-art computing and machine learning tools.

Satellite imagery for maritime

Company Name	Asset Class	Company Description
Genscape	Commodity, Agriculture, Freight.	Genscape has added satellite reconnaissance, Artificial Intelligence, and maritime freight tracking to its data acquisition capabilities. Genscape Maritime offers exclusive Vessel Coverage of U.S. Inland Waterways and covers 90% of US inland waterways. Genscape measures market fundamentals using thousands of patented and proprietary land, sea, and satellite monitors strategically deployed worldwide, delivering exceptional insight and intelligence to clients. Genscape uses non-contact ground sensors to monitor power lines; such data is used by power grid owners and operators
MarineTraffic	Freight	MarineTraffic maintains a database of real-time and historical ship positions sourced from the largest station network and satellite constellation. Historical AIS data from Terrestrial AIS receivers or Satellite AIS receiver is available since 2009. Maritime have been analyzing AIS positions data in relation to port boundaries and have extracted the time of arrival and departure of vessels in ports all around the world.
Marinexplore	Freight	Marinexplore is a platform to explore, discover, and share public ocean data. Our data hub catalog provides over 2,000 unique parameters and is updated weekly with new datasets.
Sky Watch	Commodity, Agriculture, Oil	Skywatch's satellite data is used by people in the mining industry to inspect areas of interest; by oil companies to monitor pipelines; and by farmers to monitor their crops. Market intelligence companies also use the data to count cars in parking lots and the number of construction cranes that are in use across the entire country. Sky watch wants to make it easy to monitor the progress of crops, predict the markets, track ship and airplanes, measure global warming, or create other game-changing applications.
Spire	Agriculture, Commodity	Spire uses satellite imagery to provide maritime, weather and aviation data that covers 90% of global trade. By utilizing a network of tens or hundreds of CubeSats with radio occultation payloads, the number of opportunities to receive radio occultation increases dramatically which results in better forecasts. Spire uses Satellite AIS which offers better coverage of remote places than other Terrestrial AIS (more effective in densely packed ports) providers.
Vessel Finder	Freight	Vessel Finder supply world-wide vessel position data via Real-Time XML/JSON data and Raw NMEA data stream which is offered to make timely decisions, manage costs and optimize performance. Historical AIS data is also used for analyzing the vessels movements on a global scale, potential trends in the shipping market or vessel behavior patterns for prosecution of illegal activities. The historical data include video simulation, vessel movement report, port calls, traffic density analysis and even tracking of thousands of ships around the world. The vessel movement report service is based on historical AIS data collected by terrestrial AIS stations since 2009.
Windward	Freight	The Windward Mind is the only platform in the world that aggregates, analyzes and vets all maritime data, globally 24/7. It takes the data and creates a unique Vessel Story on each ship worldwide, a complete history of each ship's activities over time. With over 90% of the world's trade transported over the oceans, data on ship activity is critical to decision makers across industries.

Satellite imagery for metals and mining

Company Name	Asset Class	Company Description
Digital Globe	Energy, Commodity	Digital Globe's satellites collect over three million square kilometers a day, giving access to all parts of the globe and revisit at a high rate, so one can detect changes over extremely short periods of time. Sixteen year image library has unmatched spatial resolution and global coverage. Provides elevation and terrain information which is

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		foundational to mapping and understanding the surface of our planet. With global coverage and the ability to order custom-built models, DigitalGlobe's Advanced Elevation Series provides the Digital Surface Models or Digital Terrain Models you need without the challenges of local access with options ranging from 2 m to 8 m in accuracy and resolution.
HySpecIQ	Commodity, Agriculture, Energy	HySpecIQ will unlock the power of high resolution hyperspectral imaging with latent power of data fusion, cloud computing and advanced big data analytical algorithms derived from our low earth orbiting small satellites to serve national security, civil and commercial clients. Our tailored hyperspectral-driven decision support tools, risk management solutions and monitoring capabilities will be used to develop important applications in natural resource industries such as Mining, Oil & Gas, Agriculture as well as Insurance and Government.
RS Metrics	Real Estate, Commodity, Energy	RS Metrics is the leading provider of applications and data from large-scale analysis of satellite and aerial imagery, and other geospatial information sources.
Terra Bella (Google Skybox)	Real Estate, Equity, Commodity	Planet has signed an agreement to acquire the Terra Bella business from Google. Terra Bella provides commercial high-resolution Earth observation satellite imagery, high-definition video and analytics services.

Satellite imagery for company parking

Company Name	Asset Class	Company Description
Orbital Insights	Agriculture, Oil, Macro Economic	With remarkable advancements in computer vision and cloud computing, Orbital Insight is building a geo-analytics platform for ingesting, processing, classifying and analyzing all types of geospatial data at massive scale creating unprecedented transparency, and empowering global decision makers with a new source of market insights. By analyzing millions of satellite images at a time, equips innovative industry leaders with advanced, unbiased knowledge of socio- economic trends.
Placemeter	Equity, Real Estate	Placemeter uses advanced computer vision technology to lift data points from video streams and is robust and built to scale. First, the system handles an ever- increasing amount of video streams. Second, thanks to machine learning, the algorithms process video and classify objects in a wide range of new contexts. They keep track of retail data like: Store door counts, Pedestrian Traffic in front of your store, Street to purchase conversion rate, Impact of black Friday, other sales holidays and seasons.
RS Metrics	Real Estate, Commodity Energy	RS Metrics is the leading provider of applications and data from large-scale analysis of satellite and aerial imagery, and other geospatial information sources.
Sky Watch	Commodity, Agriculture and Oil	Skywatch's satellite data is used by people in the mining industry to inspect areas of interest; by oil companies to monitor pipelines; and by farmers to monitor their crops. Market intelligence companies also use the data to count cars in parking lots and the number of construction cranes that are in use across the entire country. Sky watch wants to make it easy to monitor the progress of crops, predict the markets, track ship and airplanes, measure global warming, or create other game-changing applications.
Terra Bella (Google Skybox)	Real Estate, Equity, Commodity	Planet has signed an agreement to acquire the Terra Bella business from Google. From building satellites to writing code, they are changing the way the world looks at big problems. Terra Bella provides commercial high-resolution Earth observation satellite imagery, high-definition video and analytics services.

Satellite imagery for energy

Company Name	Asset Class	Company Description
CargoMetrics	Freight, Equity	CargoMetrics is a technology driven investment company which links satellite signals, historical shipping data and proprietary analytics for its own trading.
ClipperData	Oil	ClipperData provides comprehensive data sets, analysis and commentary on global crude and refined product movements. Not only do they track movements on a vessel-by-vessel basis, but also cargo-by-cargo, and dock-to-dock. They track the tanker beyond the destination port all the way to the ultimate discharge facility which means they can draw a picture of refinery operations that others cannot. They use a combination of unique data collection techniques and exclusive licensing arrangements with best-in-the-business data providers. We also apply proprietary algorithms to build our data sets.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
Genscape	Commodity, agriculture, freight.	Genscape has added satellite reconnaissance, Artificial Intelligence, and maritime freight tracking to its data acquisition capabilities. Genscape Maritime offers exclusive Vessel Coverage of U.S. Inland Waterways and covers 90% of US inland waterways. Genscape measures market fundamentals using thousands of patented and proprietary land, sea, and satellite monitors strategically deployed worldwide, delivering exceptional insight and intelligence to clients. Genscape uses non-contact ground sensors to monitor power lines; such data is used by power grid owners and operators
Kayrros	Energy	Kayrros' products help players in the energy and commodities trading sectors make better investment decisions enabling commodity players, equity investors and private equity firms to add alternative data sources and machine-learning perspectives to their analysis.
Orbital Insights	Agriculture , Oil, Macro Economic	With remarkable advancements in computer vision and cloud computing, Orbital Insight is building a geo-analytics platform for ingesting, processing, classifying and analyzing all types of geospatial data at massive scale creating unprecedented transparency, and empowering global decision makers with a new source of market insights. By analyzing millions of satellite images at a time, equips innovative industry leaders with advanced, unbiased knowledge of socio- economic trends.
Rezatec	Agriculture, Commodity	Rezatec is the specialist geospatial data analytics company providing valuable and actionable landscape intelligence as a critical decision-support tool to help drive the smart management of land-based assets and serves customers around the world, spread across the Agribusiness, Oil & Energy, Water, Forestry, Urban Infrastructure, Commodities and FMCG sectors. Satellite-derived geospatial analytical insights for Commodities including: Wheat, Maize, Rice, Coffee, Cotton, Sugar, Metals, Energy and Timber. Using the most appropriate Earth Observation techniques from a multitude of data sources including satellite optical and RADAR data, aerial and unmanned aerial vehicle (UAV) imagery and ground-based observations, Rezatec provide decision support tools to help agribusinesses.
Satellite Imaging Corporation	Agriculture, Commodity	Satellite Imaging Corporation (SIC) specializes in satellite imaging collections, image processing and producing seamless ortho rectified imaging mosaics, 3D Digital Elevation Models (DEM's) and 3D Digital Terrain Models for many industries including Engineering and Construction, Defense and Security, Environmental Monitoring, Media and Entertainment, Natural Resources, Tourism, Energy, Mining, Oil and Gas, Oil and Gas Development, Oil and Gas Exploration,
Sky Watch	Commodity, Agriculture, Oil	Sky watch's satellite data is used by people in the mining industry to inspect areas of interest; by oil companies to monitor pipelines; and by farmers to monitor their crops. Market intelligence companies also use the data to count cars in parking lots and the number of construction cranes that are in use across the entire country. Sky watch wants to make it easy to monitor the progress of crops, predict the markets, track ship and airplanes, measure global warming, or create other game-changing applications.
URSA	Oil	URSA provides valuable information from satellite imagery acquired up to twice a day, anywhere in the world. Ursa's Oil Storage data feed uses radar satellite imagery to measure storage level changes of major oil locations around the world. They focus on critical locations that have little or no data available like China.

Other satellite imagery

Company Name	Asset Class	Company Description
Bird.i	Equity, Agriculture, Natural Gas, Commodity	Bird.i collaborates with the world's leading commercial satellite providers to curate high-quality satellite images and incorporate them into one easy to use API/portal.
Granular.ai	All Asset Classes	Granular.ai interpret satellite data in real-time to deliver insights into economic forces that impact portfolios, and understand their influence on assets

Geolocation

Company Name	Asset Class	Company Description
Advan	Equity	Advan was established to bridge the gap between Big Data and investment decisions. Advan's attention to detail brings turn-key products to the Financial Trader and Analyst that offer unique and timely insights into

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		several hundred companies across multiple sectors.
AirSage	Equity	AirSage provides consumer location and movement data nationwide based on mobile device activity. AirSage anonymously collects and analyzes wireless signaling data - processing more than 15 billion mobile device locations everyday turning them into meaningful and actionable information. They cover three industries: Transportation, Tourism and Market Research.
Descartes Labs	Commodity, Agriculture	Descartes labs have full imagery archives from hundreds of satellites. The Descartes Platform is built to ingest virtually any kind of data, including satellite , weather data, commodity price histories, web crawls, and sentiment analysis from social media networks. Currently, the Descartes Platform ingests 5 terabytes (TB) of near real-time data per day, roughly equivalent to 5,000 hours of standard video. Our current corpus is over 3 petabytes of data (3,000 TB) with the ability to grow much larger. With sensor data growing exponentially, the Descartes Platform is designed to respond elastically to this data explosion and harness it for real-time forecasting. Descartes Labs provides forecasts for different commodities (including cotton, rice, soy and wheat) across different growing regions (including US, Brazil, Argentina, Russia and Ukraine).
Earthcube	Real Estate	Earthcube is developing monitoring solutions based on an automated analysis of geospatial information. By combining state-of-the-art AI technics in both Computer Vision and Machine Learning, Earthcube enables its customers to access more precise information, thus ensuring faster and less costly interventions.
Factual	Equity	Factual provides location data for enterprise solutions. Factual gather raw data from millions of different sources, clean and structure it, and then package and distribute it in multiple ways to make data easier for the world to use. Factual
FeatureX	All Asset Classes	FeatureX provides advanced geospatial analytics. API allows for natural language querying.
Foursquare	Equity & All Asset Classes	Foursquare provides Geo-location data which can be used to measure consumer foot traffic.
Geocento	All Asset Classes	Provide access to a multitude of image sources, from a number of satellite and airborne imagery providers,
Geospatial Insight	Equity & All Asset Classes	Geospatial Insight is a provider of independent research derived from the analysis of satellite, aerial and drone imagery.
Geotab	Freight	Geotab is a global player in telematics, providing open platform fleet management solutions to businesses of all sizes.
GeoWiki	Equity	Geo-wiki aids in both the validation of existing geographical information and the collection of new geographical information through crowdsourcing. Provides data collected via the Geo-Wiki in raw format, with no filtering or error checking applied.
Google trends	All Asset Classes	Google has begun to provide access to aggregated information on the volume of queries for different search terms, and how these volumes change over time via the public service called Google trends. For instance, the Google Trends Uncertainty Index has been used to measure economic and political uncertainties
GroundTruth (xAD)	All Asset Classes	Groundtruth's proprietary platform captures location data which allows it to analyse in-store traffic and sales. Clients can use their location data and insights to better understand business, actively engage their consumers through precise location and audience targeting, measure sales impact in the moment, and make smarter forecasting decisions.
Gyana	All Asset Classes	Gyana offers APIs and enriched data sets. Data Integration is possible with CRMs, existing models and backtesting.
OpenstreetMap	Equity	OpenstreetMap is built by a community of mappers that contribute and maintain data about roads, trails, cafés, railway stations, and much more, all over the world. NStreetMap is a map of the world, created by people in the community and is free to use under an open license.
Orbital Insight	Equity	GO combines the world's sensors with Orbital Insight's proprietary computer vision and machine learning algorithms. The platform allows users to detect and quantify economic and geopolitical activity anywhere in the world.
Placed	Equity	Placed measures 1 billion locations a day, across more than 1 million opted-in smartphones. This data is then run through the Inference Pipeline which references a place database with nearly 300 million features for the US alone. The Inference Pipeline doesn't require panelists to check-in, complete surveys, or keep a journal; rather

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		the models predict a place using directly measured device data. Placed Targeting leverages location (latitude / longitude), not individuals. Provides Top 100 monthly business list, ranked by highest in-store foot traffic.
Placemeter	Consumer Discretionary	Placemeter uses advanced computer vision technology to lift data points from video streams and is robust and built to scale. First, the system handles an ever-increasing amount of video streams. Second, thanks to machine learning, the algorithms process video and classify objects in a wide range of new contexts. They keep track of retail data like: Store door counts, Pedestrian Traffic in front of your store, Street to purchase conversion rate, Impact of black Friday, other sales holidays and seasons.
Safegraph	All Asset Classes	Safegraph derives data from satellite imagery and uses machine learning and human feedback to associate POI business listing info with building footprints. They algorithmically classify brands and denote spatial hierarchy. Their POI and business listing data is updated monthly to account for store openings and closings.
Sense360	Equity	Sense360 uses the mobile sensors built into smartphones to understand a user's location and activity. It has trained algorithms with hundreds of thousands of labeled data points and incorporate data from GPS, accelerometer, gyroscope, barometer, Wi-Fi, ambient light, many other sensors. This provides with an anonymous, but highly accurate understanding of where, how, and when people interact with physical locations and businesses. Sense360 covers various industries including Retail, C-Store, Supermarkets, Hospitality and Automotive.
Slingshot Aerospace	All Asset Classes	Slingshot help unleash the power of AI on the ever increasing size & complexity of signal data, facilitate better decisions in complex, time critical environment, Providing the right information at the right time in a simple way for all echelons across the enterprise.
Spire	Agriculture, Commodity	Spire uses satellite imagery to provide maritime, weather and aviation data that covers 90% of global trade. By utilizing a network of tens or hundreds of CubeSats with radio occultation payloads, the number of opportunities to receive radio occultation increases dramatically which results in better forecasts. Spire uses Satellite AIS which offers better coverage of remote places than other Terrestrial AIS (more effective in densely packed ports) providers.
StreetLight Data	Real Estate	StreetLight's technology contextualizes anonymous location data from mobile devices to measure population mobility patterns. Their solution transforms messy and disparate spatial data into contextual metrics for the real world. StreetLight utilizes a multitude of data inputs in conjunction with proprietary Route Science® engine.
The Climate Corporation	Agriculture	The Climate Corporation's proprietary Climate FieldView™ platform combines hyper-local weather monitoring, agronomic modeling, and high-resolution weather simulations to deliver Climate FieldView products and mobile SaaS solutions. These provide an overview of the global \$3 trillion agriculture industry.
Umbra Lab	Equity	Umbra Lab, Inc. is developing a next-generation space-radar system to deliver very-high resolution radar imagery as a service to commercial and government customers, for delivery via an integrated web platform.
Unacast	Equity	Geo-location data provider with ~11mm MAUs in the US, sourced from GPS, WiFi and beacon data.
Understory	Equity, Agriculture, Natural Gas, Commodity	Understory captures hyper-local weather data and provides analytics on the same. With sensors collecting 3000 measurements per second on rainfall, hail/wind speed, temperature, heat index, the company collates observations across distances ranging from kilometers to 100 m resolution.
Venpath	Equity, Consumer Discretionary	VenPath is the world's largest consumer data marketplace. They can instantly deliver billions of rows and terabytes of data to a business in need. They can manage and create revenue for hundreds apps by providing privacy-compliant data to buyers.
Wikimapia	Equity	Wikimapia is an open-content collaborative mapping project, aimed at marking all geographical objects in the world and providing a useful description of them. It combines an interactive web map with a wiki system. Both registered users and guests have already marked over 20,000,000 objects and this number grows every day.
World View	Real Estate, Equity	WorldView built a high-altitude vehicle that can offer true real-time intelligence (24/7) over customer-specified areas for months at a time at a fraction of the cost of satellite tech (and with better performance).
X-mode	Information Technology	Geo-location data on 30m monthly active users, obtained from 300+ apps.

Alternative Data Directory – Vendors by Data Source

Other Sensors

Company Name	Asset Class	Company Description
Aclima	Equity & All Asset Classes	Aclima delivers hyperlocal air pollution and climate emissions intelligence at unprecedented block-by-block resolution. With our platform, governments, companies, researchers and the public can see and track pollution hotspots and impacts over time - from traffic congestion to gas leaks and wildfire. Aclima's air quality mapping and analysis platform combines mobile and stationary sensing technology, climate science and machine learning to provide next-generation diagnostics of critical air pollutants - from CO2 and methane to particulate matter.
AggData	Equity	AggData provides a complete list of locations for companies, grouped by Standard Industry Code (SIC).
Agribotix	Agriculture	Agribotix processes and analyzes agricultural data gathered by drones. All Agribotix solutions include FarmLens™, the cloud-based data analysis and reporting solution for people using drones in agriculture.
Agricultural Research Federation (AgReFed)	Agriculture, Commodity	A Community and Data Ecosystem improving the sharing and reuse of agricultural data. Collectors and holders of agricultural data are diverse and range from research institutes and government to industry groups and landholders. Finding, accessing and maximising the reuse of data is a challenge for research and innovation across the agricultural sector.
Amazon Web Services	Equity, Real Estate	Ongoing collection of satellite imagery is available.
AreaMetrics	Equity & All Asset Classes	AreaMetrics provides geo-location data that powers insights for marketers and brands.
Australian Ocean Data Network (AODN)	Equity & All Asset Classes	The AODN (Australian Ocean Data Network) Portal provides access to all available Australian marine and climate science data and provides the primary access to IMOS data including access to the IMOS metadata.
Black Sky	All Asset Classes	Raw unprocessed satellite images. Commentary pieces available Black Sky's planned constellation of 60 satellites – with six spacecraft on orbit by the end of 2017 will provide frequent revisit rates over 95% of the Earth's population. BlackSky provides color imagery at a resolution of one meter (1 square meter = 1 image pixel) which makes monitoring economic activity easier than ever – see ships in ports, earthquake damage, or herd migration. We combine satellite imagery, social media, news and other data feeds to create timely and relevant insights.
Brickstream	Equity	Brickstream (formerly Nomi) uses 3D Stereo video using bespoke cameras for counting visitors at stores. The Brickstream line of sensors provides highly accurate, anonymous information about how people move into, around, and out of physical places. These smart devices are installed overhead inside retail stores, malls, banks, stadiums, transportation terminals and other brick-and-mortar locations to measure people's behaviors within the space
Capella Space	Equity, Real Estate	Capella Space is a data company that will provide persistent and reliable information from space with its planned constellation of (very small) satellites every hour. Capella's satellites can see through the clouds and at night time making them immune to bad weather or light conditions. They monitor changes constantly with no interruptions.
Descartes Labs	Commodity, Agriculture	Descartes labs have full imagery archives (some including data only a few hours old) from hundreds of satellites. The Descartes Platform is built to ingest virtually any kind of data, including satellite, weather data, commodity price histories, web crawls, and sentiment analysis from social media networks. Currently, the Descartes Platform ingests 5 terabytes (TB) of near real-time data per day, roughly equivalent to 5,000 hours of standard video. Our current corpus is over 3 petabytes of data (3,000 TB) with the ability to grow much larger. With sensor data growing exponentially, the Descartes Platform is designed to respond elastically to this data explosion and harness it for real-time forecasting. Descartes Labs provides forecasts for different commodities (including cotton, rice, soy and wheat) across different growing regions (including US, Brazil, Argentina, Russia and Ukraine).
Digital Globe	Energy, Commodity	DigitalGlobe's satellites collect over three million square kilometers a day, giving access to all parts of the globe and revisit at a high rate, so one can detect changes over extremely short periods of time. Sixteen year image library has unmatched spatial resolution and global coverage. Provides elevation and terrain information which is foundational to mapping and understanding the surface of our planet. With global coverage and the ability to order custom-built models, DigitalGlobe's Advanced Elevation Series provides the Digital Surface Models or Digital Terrain Models you need without the challenges of local access with options ranging from 2 m to 8 m in accuracy and resolution.
DroneDeploy	Agriculture, Real Estate, Commodity	DroneDeploy allows automating drone flights and exploring map data directly from app. They provide Orthomosaics, terrain models, NDVI analysis and 3D models for Agriculture, Construction and Mining industries. Make real time measurements including distance, area and volume. View NDVI helps in detecting crop stress

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		and variability
Flexport	Commodity	Flexport, as the freight forwarder for the internet age, has data on air, ocean, truck, and rail carriers across 100 countries. They have data for a large number of commodities.
Foursquare Pinpoint	Equity	Identify, reach and measure audiences based on where they go in the world. Pinpoint by Foursquare, allows brands to understand and connect to targeted audiences as well as measure foot traffic and advertising success.
GDELT	Equity, Real Estate	The Global Database of Events, Language and Tone (GDELT) Project monitors the world's broadcast, print, and web news from nearly every corner of every country in over 100 languages and identifies the people, locations, organizations, counts, themes, sources, emotions, counts, quotes, images and events driving our global society every second of every day.
Genscape	Commodity, agriculture, freight	Genscape has added satellite reconnaissance, Artificial Intelligence, and maritime freight tracking to its data acquisition capabilities. Genscape Maritime offers exclusive Vessel Coverage of U.S. Inland Waterways and covers 90% of US inland waterways. Genscape measures market fundamentals using thousands of patented and proprietary land, sea, and satellite monitors strategically deployed worldwide, delivering exceptional insight and intelligence to clients. Genscape uses non-contact ground sensors to monitor power lines; such data is used by power grid owners and operators
Here	Equity	The HERE Open Location Platform is a multi-sided platform that unlocks the power of location through its ability to ingest, process and analyze location data. Here transforms information from devices, vehicles, infrastructure and
HySpecIQ	Commodity, Agriculture, Energy	HySpecIQ will unlock the power of high resolution hyperspectral imaging with latent power of data fusion, cloud computing and advanced big data analytical algorithms derived from our low earth orbiting small satellites to serve national security, civil and commercial clients. Our tailored hyperspectral-driven decision support tools, risk management solutions and monitoring capabilities will be used to develop important applications in natural resource industries such as Mining, Oil & Gas, Agriculture as well as Insurance and Government.
Irisys	Equity	InfraRed Integrated Systems Ltd, or Irisys is a supplier of People Counting sensors. Their sensors are designed to detect the heat emitted by people passing underneath it as infrared radiation. If privacy is a concern, either for a specific application or because of local regulations, our thermal-only detectors provide an ideal way of anonymously counting people.
Landsat on AWS:	All Asset Classes	An ongoing collection of moderate-resolution satellite imagery of all land on Earth produced by the Landsat 8 satellite.
Mobiquity Networks	Equity	Mobiquity Networks provides precise, unique, at-scale mobile location data and insights on consumer's real-world behavior and trends for use in marketing and research.
NAIP	Agriculture	The National Agriculture Imagery Program (NAIP) acquires aerial imagery during the agricultural growing seasons in the continental U.S. This "leaf-on" imagery is approximately 1 meter in resolution.
NEXRAD on AWS	Agriculture	Real-time and archival data from the Next Generation Weather Radar (NEXRAD) network. The real-time feed and full historical archive of original resolution (Level II) NEXRAD data, from June 1991 to present, is now freely available on Amazon S3 for anyone to use.
Percolata	Equity	Percolata offers an all-in-one hardware and software solution that helps retailers predict in-store customer traffic using video, audio, and mobile fingerprinting and then staff employees accordingly.
PlaceIQ	Equity	PlaceIQ is a leading data and technology company that helps businesses leverage location-based insights to connect with and understand audiences.
Planet Labs	Agriculture, Energy	Planet's satellites image every location on earth, every day, at high resolution - providing a vital new data source. The Planet Platform is built to ingest 150 million km ² of imagery each day. Provide fresh insights from yesterday or look back a few years. The Planet Platform is the first fully automated image processing pipeline that seamlessly downloads, transfers to the cloud, ortho- rectifies and processes more than 5 terabytes of data per day. Their worldwide
RetailNext	Equity	Robust and scalable, the patented RetailNext platform uses video analytics, Wi-Fi detection of mobile devices (including Bluetooth), data from point-of-sale systems, and other sources to inform retailers about how customers engage with their stores. This comprehensive and highly versatile platform easily integrates with a number of store data sources, including promotional calendars, staffing systems, and even weather services to analyze how

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		numerous factors impact shopping behavior.
Satellite Imaging Corporation	Agriculture, Commodity, Oil	Satellite Imaging Corporation (SIC) specializes in satellite imaging collections, image processing and producing seamless ortho rectified imaging mosaics, 3D Digital Elevation Models (DEM's) and 3D Digital Terrain Models for many industries including Engineering and Construction, Defense and Security, Environmental Monitoring, Media and Entertainment, Natural Resources, Tourism, Energy, Mining, Oil and Gas, Oil and Gas Development, Oil and Gas Exploration, Oil and Gas Production, Pipeline and Transmission. In most instances, SIC can provide image data within 24 hours after the initial data has been acquired and delivered.
ShopperTrak	Equity	ShopperTrak helps retailers, malls and entertainment venues around the globe understand when shoppers are coming in their doors, where they're going, and how to make the most of that information.
Space Know	Equity, Agriculture	Space Know's mission is to bring transparency to the global economy by tracking global economic trends from space through their Analytics-as-a-Service products. Complement traditional surveys and statistics with satellite data and social media data and measure economic growth with far greater accuracy than ever before and get the whole picture of agricultural activities and make objective estimations of seasonal yields of commodities to optimize land usage. Space know has developed two trading indices using unique and customizable satellite imagery data 1) China SMI which uses proprietary algorithms to monitor over 6,000 industrial facilities across China to measure levels of manufacturing activity and 2) Space know Africa Night Light Index is based on the nighttime light intensity measured by satellites and then aggregated according to individual countries.
SpaceNet on AWS	Equity, Real Estate	A corpus of commercial satellite imagery and labeled training data to foster innovation in the development of computer vision algorithms. The current SpaceNet corpus includes approximately 1,900 square kilometers full-resolution 50 cm imagery collected from DigitalGlobe's WorldView-2 commercial satellite and includes 8-band multispectral data.
Terrain Tiles	Equity, Real Estate	A global dataset providing bare-earth terrain heights, tiled for easy usage and provided on S3.
UrtheCast	All Asset Classes	UrtheDaily™ is a planned global coverage constellation aiming to acquire high-quality, multispectral imagery, at 5-m GSD, taken at the same time, from the same altitude every day. With its exceptional capabilities, it presents a disruptive and problem-solving disruptive technology that will transform the way we observe our planet. UrtheCast provides Earth imagery and video at multiple resolutions to help solve complex problems. Deimos-1 provides 22m resolution imagery for precision agriculture and forestry monitoring: 3-band multispectral imagery with a wide swath of 650 km. In addition to its 6-year archive, Deimos-1 focuses on specific areas like the continental U.S., which is captured in full every month.
WXshift	Commodity, Agriculture	WXshift is a collection of independent journalists, climate scientists, and meteorologists working to bring you the latest in weather and climate information. They provide the most up-to-date weather forecasts, news and information, all with local and relevant climate context.

Alternative Data Directory – Vendors by Data Source

Data Aggregators

Data Aggregators

Company Name	Asset Class	Company Description
1010 Data	All Asset Classes	1010 data provides access to a variety of insights like retailer, brand and product market share across brick and mortar, mobile and e-commerce sites and quickly access and analyze all the data that's relevant to one's investment decisions, unlocking insights that help drive alpha and give a competitive edge.
1Forge	Equity, FX, Fixed Income, Commodity	1Forge is the only provider that delivers true FIX speed with the convenience of an API. It provides Exchange Rate API, Currency Conversion API and Realtime Forex Quote API, serving realtime tick data for over 500 forex currency pairs and commodities.
2iQ	Equity & All Asset Classes	2iQ provides the most complete insider transaction historical data set in the industry. Database contains 8.1 million transactions from over 200,000 insiders across a universe of over 60,000 stocks in 50 countries with an average history across all regions of 12 years.
Activ Financial	Equity & All Asset Classes	ACTIV Financial is a global full-service market data provider specializing in the delivery of ultra low-latency, high-availability market data. ACTIV provides end-to-end solutions including direct-feed technologies, hardware acceleration data feeds, global consolidated data feeds, ticker plants, enterprise solutions and tick/news databases, all combined with a large-scale distribution and fan-out technologies.
ai.google	Equity & All Asset Classes	In order to contribute to the broader research community, Google periodically releases data of interest to researchers in a wide range of computer science disciplines.
Airex Market	All Asset Classes	Airex Market provides access to premium investment research, analysis, data and apps to investment managers, analysts, traders and self-directed investors. Airex is committed to democratizing the world's financial apps, information, and reports, enabling suppliers and customers to cost-effectively conduct business.
Alpha Hat	Consumer Discretionary	Alphahat hosts an analytics platform focused on geolocation data which enables clients to visualize and utilize alternative datasets in their workflows. Gain an informational edge by harnessing data to understand company health and performance in real-time.
AlphaLetters	Equity & All Asset Classes	Alpha-Letters provide high-quality quantitative finance research by screening the major finance research resources (including finance research portals, leading finance journals, university working paper websites and conference/association websites), using which investment professionals can build profitable strategies and improve their portfolio management.
Alternative Data	All Asset Classes	A platform to help investors get new alternative data.
Amass Insights	Equity & All Asset Classes	Provide a platform-based research ecosystem that offers a rapid, differentiated, and unbiased viewpoint into the alternative data space with the goal of uncovering a constant stream of unique, alpha-generating insights never-before-seen in the capital markets arena.
Ambiental	Real Estate, Agriculture, Commodity	Ambiental is a global leader in flood modelling and consultancy. Ambiental provide UKFloodMap, flood dataset for the entire United Kingdom. UKFloodMap is built on high-resolution topographic information and industry-leading hydrology providing an accurate view of flood risk for your postcode.
Amee	Equity & All Asset Classes	AMEE's mission is to empower businesses to be resilient, competitive and responsible by making sustainability data more accessible and useful. It provides data focused on the underlying concerns that drive fundamental risk for businesses.
ArcGIS Hub	Equity & All Asset Classes	ArcGIS offers unique capabilities and flexible licensing for applying location-based analytics to your business practices. Gain greater insights using contextual tools to visualize and analyze your data. Collaborate and share via maps, apps, dashboards and reports.
Axciom	Equity, Consumer Credit	Axciom provides the data, technology and services you need to power exceptional customer experiences everywhere.
Barchart	Equity & All Asset Classes	Barchart is a leading provider of market data and services to the global financial, media, and commodity industries. Barchart deliver streaming real-time or delayed data feeds via dedicated lines or over the Internet.
Battle Fin	Equity & All Asset Classes	BattleFin focuses on sourcing, organizing, evaluating and vetting alternative data. Their Global One-on-one meeting events leverage Ensemble and inhouse data Sandbox's to let buyers explore the data with preloaded

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
Benzinga	Equity & All Asset Classes	Benzinga aggregates financial content & alternative data globally. The Data Categories Include News & Research, Retail Trade Flow, B2B Search Data, Online Pricing (4+ verticals), Platform/App, Advertising, Quantitative Models, News Analytics, News & Social SentimentOptions Analytics, News Signals, Industry Data, Economic, Public Sector, Crowdsource Ratings, Market Transactions, Labor Market Intelligence and Events.
Big Byte Insights	Equity & All Asset Classes	Big Byte Insights provides data they have constantly mined from the web over the past few years, which is analyzed using advanced machine learnings techniques to generate actionable insights into stocks. Analyzing millions of rows of data, their Artifical Intelligence algorithms identify inflection points in industry metrics before these metrics are released by indsutry data sources.
Big One Lab	Equity & All Asset Classes	BigOne Lab is a Beijing-based data tech firm that offers data products and solutions to power investment analysis process for global institutional investors. BigOne Lab provides alternative data solutions for global institutional investors and corporations.It collects publicly available data from diverse sources, to create unique, reliable, in-depth, highly compliant and up-to-date products to track important business metrics of hundreds of major companies operating in China.
Bitvore	Equity & All Asset Classes	Bitvore provides accurate connection points to existing applications, processes and models. To accomplish this, Bitvore's AI and APIs tag and access the information using core common identifiers used across the industry. Using these identifiers, Bitvore information can be connected directly to existing portfolio management, CRM, Vendor Risk Management and mobile applications. Bitvore helps companies build Augmented Intelligence.Bitvore's patented cloud-based AI factory uses massive data collection and hundreds of trained AI models to produce unprecedented precision intelligence about material changes to the businesses of the world.
Bloomberg	All Asset Classes	Consolidated access to all asset classes, aggregated from 330+ exchanges and 5,000+ contributors, as well as Bloomberg composite tickers and market indices. Provides key reference data to describe instruments, comprehensive data for buy and sell orders or quotes across multiple markets and access to normalized, end-of-day reference prices for all exchange-traded securities and some exchange indices.
Bluefire AI	Equity & All Asset Classes	BlueFire AI delivers revenue generating Signals for the Capital Markets Industry. It provides asset intelligence across all market data, published financial reports, news articles, public relations statements, product launches, investor communication, analyst transcripts and broker reports.
BoXiaoTong	Equity & All Asset Classes	Bo Xiaotong provides a new generation of marketing tools and decision support services. It offers dataa sets and analytical insights tools for brand, public relations, e-commerce operations and customer service departments based on data collection, analysis and big data mining technologies.
BvD	Equity & All Asset Classes	Bureau van Dijk's product range combines data from regulatory and other sources, including 160 information providers, with software to allow users to manipulate data for a range of research needs and applications.Unlike other providers of content, Bureau van Dijk reveals their sources and shows the source data – allowing users to create their own analytics and predictive analysis based on underlying primary data and reporting
ClimaCell	Equity & All Asset Classes	ClimaCell provides micro weather data with global coverage. To do that, it has been mapping all of the world's best weather data and working with the top sources in every city, in every country.
CounterpointResearch	All Asset Classes	Counterpoint is a rare thing: a global industry analysis firm headquartered in Asia. Our headquarters are in Hong Kong and our analysts are based in key industry centres globally. We have teams based in Seoul, South Korea; Gurgaon and Mumbai, India; London, UK; San Diego, USA; Beijing, China; and Buenos Aires, Argentina.
Creditsafe	Consumer Credit	Creditsafe are the world's most used provider of business and credit information. With over 80,000 business's accessing information on over 120 million companies. The Creditsafe score is collated using information from a number of sources including data from Companies House, London and Edinburgh Gazettes and Registries Trust. This model is the most predictive in the industry predicting almost 70% of insolvencies up to 12 months prior to the event in 2013.
Crunchbase	Equity & All Asset Classes	Crunchbase is a platform for finding business information about private and public companies. Crunchbase information includes investments and funding information, founding members and individuals in leadership positions, mergers and acquisitions, news, and industry trends.
Data Discovery Studio	Equity & All Asset Classes	The Data Discovery Studio end product has been developed and is being enhanced through the EarthCube Data Discovery Hub project, and is built on top of the CINERGI search engine.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
data.world	Equity & All Asset Classes	data.world is the modern catalog for data and analysis. Choose data.world to activate the hidden data workforce within your enterprise, multiply your data's value, and create a data-driven culture - faster. The data catalog unites and classifies your data, metadata, and analysis - no matter where it lives. The modern, intuitive user experience brings together employees of all roles, backgrounds, and skills to collaborate using the tools they already love. And the knowledge graph keeps data connected to everything people need to find, understand, and use it. As a result, your data, analysis, and expertise become more discoverable, trustworthy, and reusable.
Datamed	Health Care	DataMed is a prototype biomedical data search engine. DataMed indexes the core metadata available for most datasets, but it offers enhanced search functions when repositories provide additional metadata. The Data Tag Suite (DATS) metadata specification has evolved with input from the community and will include a schema.org annotated serialization.
Dawex	All Asset Classes	Using Dawex you can access the marketplace to monetize or acquire your data from around the entire world or use the technology in Data Exchange Platform mode to promote and exchange your data with your partners, such as subsidiaries, clients, and suppliers, with complete security and privacy.
Discern	Energy, Equity, Real Estate	Discern delivers insights for better investment decision-making. They provide up-to-date data on companies, retail stores, restaurants, oil wells and real estate.
DRYAD	Equity & All Asset Classes	The Dryad Digital Repository is a curated resource that makes the data underlying scientific publications discoverable, freely reusable, and citable. Dryad provides a general-purpose home for a wide diversity of datatypes. Dryad's vision is to promote a world where research data is openly available, integrated with the scholarly literature, and routinely re-used to create knowledge.
Dun and Bradstreet (formerly Avention)	All Asset Classes	DNB's ability to identify and connect business relationships is powered by 30,000 global data sources updated 5 million times per day, including: credit scores and rating, Over 1B trade experiences, 3M corporate family trees, Banking data, Firmographics, Social Signals, Business registrations. Not only do they aggregate and compile the most accurate and comprehensive repository of business-class data on the planet, they also employ a system of techniques and process while leveraging unmatched expertise to turn the data into insights.
Eagle Alpha	All Asset Classes	Eagle Alpha enables asset managers to obtain alpha from alternative data. Eagle Alpha provides analytical Tools which enable clients to do proprietary analyses and Data sources includes a database of all the best alternative datasets worldwide, advisory services to link datasets to research questions. Each dataset is tagged by S&P sector, MSCI region and Eagle Alpha's 20 categories of alternative data e.g. consumer transactions, IOT and trade data.
Ecdataway	Equity & All Asset Classes	Ecdata is a marketing research data provider which helps in multidimensional cross analysis across different brand, market, channel and price of products
ENGAGE Research	Equity	ENGAGE enables active recruiters to efficiently engage over 100 million passive candidates or enrich their own CRM and ATS candidates with predictive, AI-based insights. It provides data on company-level talent risk, i.e. likelihood of gaining or losing top talent based on employee background, education, events, peer activity, and industry trends.
EPSChinaData	Equity	EPS China Data provides series statistical databases on China in both English and Chinese versions so that they are usable to English-speaking users as well.
Estimize	Equity, Macro Economic	An earnings data set with exclusive insight on over 2000 stocks. Estimize crowdsources earnings and economic estimates from 44,022 hedge fund, brokerage, independent and amateur analysts.
ExtractAlpha	All Asset Classes	ExtractAlpha provides datasets, quantitative stock selection models, visualisation and analytics tools for portfolio managers and analysts
FactSet	All Asset Classes	FactSet provides access to hundreds of Global Databases to manipulate, audit and export data. It gives data on benchmarks, real-time exchange data, economics, market aggregates, ETF analytics and Risk Metrics and Models.
Fairfax Media	Equity & All Asset Classes	Developed by (The Australian Financial Review), afr.com is a revolutionary online application for investors. It combines a range of renowned information and data sources with a vast array of customisable analysis tools to deliver a powerful investment toolkit across equities, property and managed funds.
First to Invest	All Asset Classes	Firsttoinvest is using big data and NLP technologies to capture alpha by collecting, structuring, and revealing events from news articles, press releases, and financial social media.

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
GfK Boutique Research	Equity & All Asset Classes	GfK hosts a source of global point-of-sale data with aggregation and research layer.
Global Forest Watch	Equity & All Asset Classes	Global Forest Watch (GFW) is an online platform that provides data and tools for monitoring forests. By harnessing cutting-edge technology, GFW allows anyone to access near real-time information about where and how forests are changing around the world.
Good Judgment	All Asset Classes	Provides accurate probabilities and incisive analysis to let clients make decisions based on forecasts and analytics.
Guidepoint	All Asset Classes	Guidepoint provides on-demand consultation and data services for leading global companies. We work with clients to connect them with top industry expertise.
GuidePoint (including Quanton Data)	All Asset Classes	GuidePoint offers clients dedicated teams of researchers and project managers who understand your urgency and have the proven experience to find the most appropriate Advisors for even the most obscure questions. Guidepoint makes several different avenues to expert research available to our clients: phone consultations; surveys and quick polls; events; and Guidepoint Tracker; and a suite of data products. GuidePoint deliver boots-on-the-ground, practical insights from sources that live in the space you're investigating, enabling you to make critical decisions with informed confidence.
Harvard Dataverse	Equity & All Asset Classes	Harvard Dataverse is an online data repository where you can share, preserve, cite, explore, and analyze research data. It is open to all researchers, both inside and out of the Harvard community.
humanpredictions	Information Technology	Humanpredictions proved the most complete database of tech people. They gather public data and use machine learning to predict when people are more likely to be open to new job opportunities, when people are more likely to respond to an email, when people are more likely to relocate, and other key indicators that help improve how and when you connect with someone!
Iguana2	Equity	Iguana2 offers complete coverage of both the Australian and New Zealand stock exchanges, as well as limited coverage of other major markets. With over twelve years experience in providing sharemarket services on the Internet, Iguana2 has developed the technology, skills and know-how to deliver a variety of solutions to fit clients' needs. One of Iguana2's major strengths is the ability to customise its data services to suit each individual client. From raw data feeds, to complex interactive sharemarket content websites, Iguana2 can provide a solution that is easy to implement, robust, efficient and cost-effective.
Info Free	Consumer Credit	Infofree.com is a subscription-based, software as a service system company based in Omaha, Nebraska that provides sales leads, email lists and CRM to businesses.
Infogroup	Consumer Credit	Infogroup is the leading provider of innovative business data, and marketing solutions that are proven to increase customer acquisition and retention.
Interactive Data	Equity & All Asset Classes	Interactive Data provides a comprehensive suite of financial market information services for a broad range of applications like Real-time datafeeds, featuring global exchange content and hundreds of proprietary news and information providers, to power market data redistributors, in-house market data systems, infomedia sites, web-based applications, internal research, etc.
IPQwery	Equity	IPQwery applies analytics to patent and trademark data to deliver it to enrich any datastream.
ISS Analytics	Equity, Fixed Income	Institutional Shareholder Services Inc. (ISS) is provider of corporate governance and responsible investment (RI) solutions for asset owners, asset managers, hedge funds, and asset service providers.
Knoema	Equity & All Asset Classes	Knoema is the most comprehensive source of global decision-making data in the world. Their tools allow individuals and organizations to discover, visualize, model, and present their data and the world's data to facilitate better decisions and better outcomes.
Koordinates	Equity & All Asset Classes	Koordinates provides geospatial data filtered by region, indexed from hundreds of authoritative sources. Access authoritative geospatial data from around the world.
ktMINE	Equity	ktMINE connects IP data to support decisions across a corporation.
Legal Shield	MacroEconomic	Legal Shield provides access to legal services offered by a network of provider law firms to members and their family members.
Liquidnet	Equity & All Asset	Liquidnet's equities and fixed income network aims to deliver seamless access to global investment opportunities

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
	Classes	and liquidity while minimizing large-scale market impact across six continents.
Market Analyst	All Asset Classes	Market Analyst provides premium quality market data for home investors, professional traders and financial institutions. Select from a range of live and end of day options to suit your trading requirements. All data options feed directly into Market Analyst's world renowned range of charting products. To trial the Market Analyst data service download a Market Analyst charting package, once downloaded you will be up and running and ready to trade.
Metro Study	Equity & All Asset Classes	Metrostudy provides unparalleled insight to empower strategic decisions, intelligently deploy investment capital, improve risk management, and develop targeted leads to increase sales. Metrostudy provides data for homebuilder activity / supply data captured at each subdivision via quarterly "lot by lot" site inspections. Metrostudy captures the same data in every market at the same time with deep history (back to early 2000s in most markets)
Mint Global	Equity & All Asset Classes	Mint Global contains comprehensive information on companies worldwide. Mint Global provides information for Company financials in a standardised format, Financial strength indicators, Directors and contacts, Original filings/images, Stock data, Detailed corporate and ownership structures, Industry research, Business and company-related news and M&A deals and rumours
MKT Mediastat	All Asset Classes	Leveraging the powers of big data and quantitative research, MKT provides entirely new perspectives on financial assets. Our technology transforms information extracted from millions of sources into actionable insights applied to the financial markets.
Moody's Analytics	All Asset Classes	Moody's analytics is a risk management company to help clients generate and evaluate investment ideas, monitor and manage risk/return profile of the portfolio, complete compliance reporting requirements, assist with underwriting, reinsurance and treasury services.
MorningStar	All Asset Classes	Morningstar unites global data and institutional research with analytics on its platform to provide clients advanced portfolio optimization and reporting capabilities. Their management system streamlines investment research, portfolio accounting and performance reporting.
Narrative.io	All Asset Classes	Narrative is a next-generation platform for data acquisition, monetization, management and strategy creation that works across industries
NasdaqAnalyticsHub	Equity	Nasdaq provides the infrastructure, tools and strategic insights tailored for the capital-market opportunities of today and the expectations of tomorrow.
Neudata	Equity & All Asset Classes	Neudata helps sophisticated investment managers find new data sources that can provide unique, timely and granular records of often imperceptible economic activity
Next Caller	Consumer Credit	Next Caller develops and offers a real time call verification technology solution that provides phone fraud detection services. It offers a caller identification platform that helps businesses and consumers identify unknown callers and detect fraudulent calls. It uses a proprietary algorithm VeriCall that analyzes carrier-level metadata; and provides real-time RESTful API for users to custom integrate with their current CTI application. Next Caller also allows users to clean and append existing database and enables users to validate and prioritize their leads.
Norgate Investor Services	Equity	Norgate Investor Services provides quality end-of-day and intraday hourly snapshot data for stock markets in Australia (ASX), Asia (SGX) and USA (AMEX, NASDAQ, NYSE, OTC-BB, and PinkSheets). Extensive historical data is available. Hourly snapshot data is available for the ASX and SGX. Stock data is organised into security types (equities, indices, warrants, options) and can be organised into custom folders which allow you to segregate such as index participation, sector, industry group, dividend-paying-shares. World Indices are provided free with any subscription.
Nowcast	All Asset Classes	Nowcast has established a Big data economic platform. By providing a global economic index and corporation data in real time, Nowcast will bring a revolution to the financial market.
NPD	All Asset Classes	The NPD Group offers data, industry expertise, and prescriptive analytics to help you grow your business in a changing world. With offices in 27 cities across the Americas, Europe, and Asia-Pacific, we help you measure, predict, and improve performance across all channels.
ODS	Equity & All Asset Classes	Catalog of public dataset published by OpenDataSoft.
Omics DI	Health Care	The Omics Discovery Index (OmicsDI) provides a knowledge discovery framework across heterogeneous omics

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		data (genomics, proteomics, transcriptomics and metabolomics). The main goal of the EarthCube Data Discovery Hub project is to greatly reduce the time and effort necessary to locate and evaluate geoscience information resources across disciplines, and increase the value of investment in data generation by promoting data reuse and reducing duplication of effort.
OpenCorporates	All Asset Classes	OpenCorporates is the largest open database of companies and company data in the world, with in excess of 100 million companies in a similarly large number of jurisdictions. Their primary goal is to make information on companies more usable and more widely available for the public benefit, particularly to tackle the use of companies for criminal or anti-social purposes.
OpenCorporates	Equity & All Asset Classes	OpenCorporates make information about companies and the corporate world more accessible, more discoverable, and more usable. It currently contains business information from over 50 million companies in 65 jurisdictions.
OpenFactSet	Equity	FactSet creates data and technology solutions for investment professionals around the world, providing instant access to financial data and analytics that investors use to make crucial decisions. We combine our unique proprietary datasets, your in-house data, and third-party unstructured data to help you see and seize opportunity sooner.
openICPSR	Equity & All Asset Classes	openICPSR is a research data-sharing service developed to meet the needs of universities, journals, research centers, and departments. They offer a fully-hosted, economical, professionally-run, and trusted research data repository that demonstrates the research impact of organization.
Orbis	Equity & All Asset Classes	Orbis combines information from regulatory and other sources, and delivers company information with added value. It can be used to Research individual companies or groups of companies, Search for companies by profile, Analyse and evaluate companies and Make better-informed decisions
OTAS	Equity	OTAS is a suite of equity analytics that intelligently alerts you to opportunities, exceptions, and risks in global stock markets. Alerts are specific to what matters to you, delivered in real time and in plain English.
Owl Analytics	Equity	OWL Analytics is an alternative data company that focuses on environmental, social, and governance (ESG) research. We help investors integrate ESG data into their investment solutions with the goal of delivering enhanced investment results and positive social impact compared to benchmarks.
PrimeCharts	Equity	PrimeCharts provides data for the ASX, JSE, LSE, AIM, NASDAQ, NYSE and AMEX stock markets. We are proud to be the first seamless multi-stock market software developer in the world.
PROME	Equity	The public sector creates and uses large amounts of data everyday. By making this data available, citizens and companies can use them - and help solve challenges and societal problems.
QL2	All Asset Classes	QL2 delivers on-demand data extraction and analysis, producing a real-time, insightful picture of the market to enable profitable decision making.
Quad Analytix	All Asset Classes	Quad Analytix provides retail analytics platform that combines in-store and online data into actionable insights. Their mission is to simplify complex and overwhelming omnichannel data collection and analysis to improve efficiency and enable better strategic decisions for critical components of the retail business.
Quandl	All Asset Classes	Quandl delivers financial, economic and alternative data to over 150,000 people worldwide. Quandl offers essential financial and economic data alongside a suite of unique, alpha-generating alternative datasets. With our unrivaled consumption experience, we have cemented a reputation for understanding and delivering what professional quantitative analysts need and want. Quandl's customers include the world's top hedge funds, asset managers and investment banks.
Quant Connect	Equity, FX, Fixed Income, Commodity	Quant Connect provides 1) US Equities tick data going back to January 1998 for every symbol traded, totaling over 29,000 stocks. 2) Morning Star Fundamental data for the most popular 8,000 symbols for 900+ indicators since 1998. 3) Forex (FXCM, ONADA brokerage) since Apr 2007. 4) Futures tick trade and quote data from January 2009 onwards for every contract traded in CME, COMEX and GLOBEX. 5) Option trades and quotes down to minute resolution, for every option traded on ORPA since 2007.
QuantHouse	Equity	QuantHouse, provides end-to-end systematic trading solutions. This includes ultra-low latency market data technologies with QuantFEED, algo-trading development framework with QuantFACTORY, co-lo hosting and order routing services with QuantLINK to help hedge funds, market makers, proprietary desks and latency

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		sensitive sell side firms to take the lead.
QuestMobile	All Asset Classes	QuestMobile aggregates data derived from its proprietary sample pool to enable clients to better understand the market trend and competition, to discover market opportunities at early stages.
RavenPack	All Asset Classes	RavenPack Analytics transforms unstructured big data sets, such as traditional news and social media, into structured granular data and indicators to help financial services firms improve their performance. Clients with an intraday horizon value RavenPack's ability to detect relevant, novel and unexpected events - be they corporate, macroeconomic or geopolitical - so they can enter new positions, or protect existing ones. The product serves to overcome the challenges posed by the characteristics of Big Data - volume, variety, veracity and velocity - by converting unstructured content into a format that can be more effectively analyzed, manipulated and deployed in financial applications.
Realyste	Real Estate	Realyste standardises, aggregates and analyses data on price per square foot, supply, and demographics on UK real estate.
Refinitiv (ThomsonReuters)	Equity	Refinitiv is one of the world's largest providers of financial markets data and infrastructure, serving over 40,000 institutions in over 190 countries. It provides leading data and insights, trading platforms, and open data and technology platforms that connect a thriving global financial markets community - driving performance in trading, investment, wealth management, regulatory compliance, market data management, enterprise risk and fighting financial crime.
Research Data Australia	Equity & All Asset Classes	Research Data Australia helps you find, access, and reuse data for research from over one hundred Australian research organisations, government agencies, and cultural institutions. Research Data Australia covers a broad spectrum of research fields - across sciences, social sciences, arts and humanities. Much of the data you can discover here is immediately accessible online via our partners and free to use
Reveal Mobile	All Asset Classes	Reveal Mobile helps companies gain immediate credibility providing unique reports built from locations and audiences for use in the sales cycle. They aggregate various 3rd party geolocation panels (primarily from apps) and provides analytics.
RVIA	All Asset Classes	RVIA is the national trade association representing RV manufacturers and their component parts suppliers in the U.S. They provide research, data, and analysis about the RV industry, the RV market, and RV users, the RV Industry Association. They provide free information to consumers, media, investors, and other interested parties about RV travel and camping.
S&P Global	All Asset Classes	S&P Global is a provider of ratings, benchmarks, analytics and data to the capital and commodity markets around the world.
Savr	Financials	Savr provides large-scale web data collection services for institutional investors and data brokers.
Scrapehero	Financials	Scrapehero collect and build custom alternative data models for Investors, Hedge Funds and Market Analysts. They automate and build complex workflows to integrate data from websites that don't have an interface.
Short Trends Data	Equity & All Asset Classes	Short Trends provides daily Short Selling Data and Analytics through web applications, back-tested trading signals and data feeds. The company aggregates all short sales that are executed in the United States and provide ways for interested parties to quickly and easily interpret them.
SocialMediaAnalytics (SMA)	Equity	SMA is the leader in providing predictive sentiment data feeds to the world's largest financial and trading firms. Founded in 2011, Social Market Analytics, Inc. (SMA) has harnessed the booming and disruptive unstructured Alternative and Traditional noise into predictive and uncorrelated data feeds. SMA provides the quantitative and financial communities an alpha source to enhance returns, reduce risk, and evaluate financial reports. Behind two U.S. Patents, Natural Language Processing, and Machine Learning, SMA has become the market leader in source agnostic textual data analytics
Statista	Equity & All Asset Classes	Statista.com consolidates statistical data on over 80,000 topics from more than 22,500 sources and makes it available on four platforms: German, English, French and Spanish.
Statistical Survey	Utilities	We deliver market share data to forward-thinking businesses in the Marine, Recreational Vehicle, Powersports, Trailer and Manufactured Housing industries who understand that data's importance lies, not only in what it can do for them, but in the opportunities missed without it. Our proven process allows us to meet all our clients' data needs and more. If it's not done right, it didn't come from us.
Statlas	Agriculture,	Raw data is hard to understand, hard to analyze, and even harder to use for daily work. We source and clean

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
	Commodity	alternative data from hundreds of sources.
Suzy	Equity	Built the first social media companies to help organizations create value for consumers through meaningful content and transformative ideas.
T.H. Capital	Equity	TH develops new methodologies of applying alternative data in equity investments.
THDataCapital	Equity	Whether you are an investor or a company with an interest in the Chinese consumer markets, TH Data Capital offers you ahead-of-market data that will help assess business performance in China. This information is invaluable for making investment decisions and for broader competitive and industry analysis.
Thomson Reuters	All Asset Classes	Thomson Reuters Market Psych Indices analyze news and social media in real-time and indicators are updated every minute for individual global equities and indices, countries, commodities, and currencies. They convert the volume and variety of professional news and social media into manageable information flows that drive sharper decisions. They analyze 40,000 primary global news sources, 7000 blogs, stock message boards and social media sites and have historical data from 1998.
Tick Data	Equity, FX, Fixed Income, Commodity	Tick Data provides historical intraday stock, futures, options and forex data for back-testing trading strategies, develop risk & execution models, perform post- trade analysis, and conduct important academic research with data as far back as 1974.
Tigergraph	All Asset Classes	TigerGraph is the world's fastest graph analytics platform designed to unleash the power of interconnected data for deeper insights and better outcomes. TigerGraph fulfills the true promise and benefits of the graph platform by tackling the toughest data challenges in real time, no matter how large or complex the dataset. TigerGraph supports applications such as IoT, AI and machine learning to make sense of ever-changing big data. TigerGraph's proven technology is used by customers including China Mobile, Intuit, VISA, Wish, and Zillow. TigerGraph, incorporated in Delaware, is headquartered in Redwood City, CA. Investors include founders of Yahoo!, Walmart Labs, DCVC and Morado Ventures.
Tipranks	All Asset Classes	At TipRanks we supply the latest news, tips and recommendations from Top Analysts, Hedge Fund Managers, Successful Financial Bloggers and Industry Insiders. We provide Portfolio analysis tools, for you to become a success! TipRanks is a comprehensive investing tool that allows private investors and day traders to see the measured performance of anyone who provides financial advice
TMT Analysis	Information Technology	TMT Analysis is a specialist technology, media and telecoms data company. Our suite of data products are used by businesses around the world to improve customer interactions, gain useful insight and authenticate users, while reducing costs and improving the quality of their service. Our team has many years' experience working across telecommunications, media and technology and provide customers with the fastest and most comprehensive device, network and numbering data on the market today.
Towergate Informatics	Equity	Towergate Software provides simple, effective data-mining solutions to the IP professional. Creating unique searching, monitoring and reporting products, that truly set up apart from other providers, is how they met their customers' needs for over 18 years.
TruValue Labs	Financials	Truvalue Labs amplifies the research capabilities of investment firms by leveraging artificial intelligence to analyze and interpret massive amounts of unstructured data at a speed and scale never before possible. Through exhaustive testing and fine tuning, their solution has proven to drive market outperformance. Their roots are in analytics for ESG investing. Now, they are applying technology to help firms make better informed, data-driven decisions based on virtually any intangible factors uncovered in alternative data.
Tussell	Financials	Tussell provides data and analysis on public procurement, bringing clarity and context to a previously opaque market worth over £220 billion per year in the UK - equivalent to 10% of national GDP. Globally, the WTO estimates the annual value of public contracts at \$1.7 trillion annually. The company was founded in 2015 to fill the gap for useful and reliable information on public contracts in the UK. Their market insight helps companies to win more government business; government departments to get more value from their suppliers; and financial firms to identify investment and credit opportunities in the outsourcing sector.
Verbatim Advisory Group	Equity, Consumer Discretionary	Verbatim Advisory Group is an alternative research firm serving institutional investors. Their primary research spans Business Services, Consumer Products & Services, Retail & Restaurants, Healthcare, Industrials & Energy, and TMT.
Verto Analytics	Equity, Consumer Discretionary	Verto Analytics offers market research and cross-platform measurement services that give brands, publishers, and researchers a multi-dimensional view of the digital consumer. Verto owns and operates a single-source,

Alternative Data Directory – Vendors by Data Source

Company Name	Asset Class	Company Description
		passively-metered panel that captures real people's digital interactions and attitudes.
Wall Street Horizon	Equity & All Asset Classes	Wall Street Horizon continually monitors multiple primary sources of corporate event data, including press releases, company websites, SEC filings and corporate IR information. Their process leverages proprietary algorithms for information gathering, combined with the human touch, which includes proactive outreach of over 50,000 times per year to corporate IR officers by their staff of in-house experienced analysts.
Wharton Research Data Services (WRDS)	All Asset Classes	WRDS provides the user with one location to access over 250 terabytes of data across multiple disciplines including Accounting, Banking, Economics, ESG, Finance, Healthcare, Insurance, Marketing, and Statistics.
XiweiFintech	Equity	XiWei is a leading Fin-Tech company in China dedicated to mining alternative data from mobile phone devices and internet.
Yewno	Financials	Yewno is an AI and data science company that aims to transform the world by turning vast amounts of information into actionable knowledge. Yewno is an early mover in the Knowledge Economy, having built a massive and continuously evolving inference knowledge-base. It enables users to derive inferences across multiple themes, allowing them to analyze complex problems and arrive at better results faster.
ZahlGroup	Equity	Zahl group provides alternative data onm Chinese companies listed worlwide and Chinese consumer market
Zaoshu.io	Equity, All Asset Classes	Zashou.io is a investment research engine built with alternative data.It provides daily data update through own data collectionm infrastructure, providing an average of more than 10 data indicators for each target to help customer conduct deep business analysis

Alternative Data Directory – Vendors by Data Source

Technology Solutions (All Asset Classes)

Data Storage (Databases)

Company Name	Company Description
Aerospike	Aerospike is an enterprise-class, NoSQL database solution for real-time operational applications, delivering predictable performance at scale, superior uptime, and high availability at the lowest TCO compared to first-generation NoSQL and relational databases.
Amazon Dynamo DB	Amazon DynamoDB is a fast and flexible NoSQL database service for all applications that need consistent, single-digit millisecond latency at any scale. It is a fully managed cloud database and supports both document and key-value store models.
Citus Data	Citus is a distributed database that extends PostgreSQL, allowing you to continue using all the powerful Postgres features while still scaling. Citus handles capturing billions of events per day, while providing real-time analytics across your entire dataset. It allows ingesting all the data, as it happens in real-time, scan, filter, and analyze billions of events in under a second and power application with single-digit millisecond latency operations at scale.
Clustrix	ClustrixDB is the next generation MySQL-compatible, scale-out relational database for high-value, high-transaction workloads.
Cockroach labs	Cockroach Labs is the company building CockroachDB, an open source database for building global, scalable cloud services that survive disasters. It combines the rich functionality of SQL with the horizontal scalability common to NoSQL offerings, and provides enterprise-grade disaster recovery.
Couchbase	Couchbase Server is a NoSQL database, which has become the de facto standard for building Systems of Engagement. It is designed with a distributed architecture for performance, scalability, and availability. It enables developers to build applications easier and faster by leveraging the power of SQL with the flexibility of JSON. Couchbase Server can be deployed as a document database, key-value store or distributed cache.
DataStax	DataStax Enterprise (DSE) accelerates your ability to deliver real-time value at a large scale by providing a comprehensive and operationally simple data management layer with a unique always-on architecture built on Apache Cassandra™. DataStax Enterprise provides the distributed, responsive and intelligent foundation to build and run cloud applications.
Dataverse	Dataverse is an open source web application to share, preserve, cite, explore, and analyze research data. It facilitates making data available to others, and allows you to replicate others' work more easily. Researchers, journals, data authors, publishers, data distributors, and affiliated institutions all receive academic credit and web visibility.
DEEP DB	DEEP Framework is a full-stack web framework for building cloud-native web applications. Using DEEP Framework, developers get streamlined "production-like" development environment, enterprise-level platform using microservices architecture, virtually infinite scalability with zero devops (aka serverless computing) and abstracted use of web services from cloud providers (e.g. AWS, GCP, etc.).
Intertrust	Intertrust is a content protection and rights management technology provider and manages all forms of digital transactions.
Maria DB	MariaDB is open source and as a relational database it provides an SQL interface for data access. MariaDB turns data into structured information in a wide array of applications. It is an enhanced, drop-in replacement for MySQL. MariaDB is used because it is fast, scalable and robust, with a rich ecosystem of storage engines, plugins and many other tools make it very versatile for a wide variety of use cases.
MarkLogic	MarkLogic is an operational and transactional enterprise NoSQL database that integrates data better, faster, with less cost. Key features include scalability, time base audit trails, tiered storage, geospatial tagging, real time alerting and semantics for data relationships.
Mysql	MemSQL is a scalable real-time data warehouse that ingests data continuously to perform analytics for the front lines of business. It can ingest and transform millions of events of data per day while simultaneously analyzing billions of rows of data using standard SQL. It queries traditional SQL, JSON and Geospatial data types in real time.
MongoDB	MongoDB is free and open-source distributed database. It stores data in flexible, JSON-like documents, meaning fields can vary from document to document and data structure can be changed over time. The document model maps to the objects in your application code, making data easy to work with. Ad hoc queries, indexing, and real time aggregation provide powerful ways to access and analyze your data.
Native	Native connects global organizations that have questions with locals able to collect data used to answer them.
Neo4j	Neo4j is a highly scalable, native graph database purpose-built to leverage not only data but also its relationships. Neo4j's native graph storage and processing engine deliver constant, real-time performance, helping enterprises build intelligent applications to meet today's evolving data challenges.

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
NuoDB	NuoDB is a memory-centric ACID-compliant, SQL database that can be dynamically tuned to customer requirements while easily scaling in and out on commodity hardware with automated disaster recovery. In short, a technologically advanced, elastic SQL database for cloud- and container-based environments.
Oracle	Oracle offers a comprehensive and fully integrated stack of cloud applications and platform services. Oracle NoSQL Database provides a powerful and flexible transaction model that greatly simplifies the process of developing a NoSQL-based application. It scales horizontally with high availability and transparent load balancing even when dynamically adding new capacity.
OrientDB	OrientDB is a Distributed Multi-Model NoSQL Database with a Graph Database Engine. It provides the power of a Distributed Graph Database engine with the flexibility of a Document Database. OrientDB incorporates a search engine, Key-Value and Object-Oriented concepts along with a reactive model (with Live Queries) and geospatial awareness.
Paradigm4	Paradigm4 is the creator of SciDB, a computational DBMS used to solve large-scale, complex analytics challenges on Big and Diverse Data. SciDB is a new computational database for mining insights from data sources as diverse as genomics, clinical, RWE, image, financial markets, instrument, and wearable devices.
Presto	Presto is an open source distributed SQL query engine for running interactive analytic queries against data sources of all sizes ranging from gigabytes to petabytes. Presto was designed and written from the ground up for interactive analytics and approaches the speed of commercial data warehouses while scaling to the size of organizations like Facebook.
Redis Labs	Redis Labs is the home of open source Redis and commercial provider of Redis Enterprise – Redise, the world's most popular in-memory database platform for transactional, analytics and hybrid deployments. The high performance, true high availability and seamless scaling of Redis enhance popular Redis use cases including high speed transactions, job & queue management, user session stores, real time data ingest, notifications, content caching and time-series data.
SAP Hana	Deployable on premise or in the cloud, SAP HANA is an in-memory data platform that lets you accelerate business processes, deliver more business intelligence, and simplify your IT environment. By providing the foundation for all your data needs, SAP HANA removes the burden of maintaining separate legacy systems and siloed data, so you can run live and make better business decisions in the new digital economy.
Sequoia DB	SequoiaDB, a document-oriented NewSQL database that supports JSON transaction processing and SQL query. It can either be a standalone product to interface with applications providing high performance and horizontally scalable data storage and processing functions, or serve as the frontend of Hadoop and Spark for both real-time query and data analysis. It is designed to integrate well with Spark, Hadoop/Cloudera.
Splice Machine	Splice Machine is the open-source dual-engine RDBMS for mixed operational and analytical workloads, powered by Hadoop and Spark. Splice Machine makes it easy to create modern, real-time, and scaleable applications or to offload operational and analytical workloads from expensive systems. The Splice Machine RDBMS has all of the key functionality of industrial SQL databases but on a scale-out architecture typically found in less functional NoSQL systems.
TERADATA	Designed to deliver high-performance, diverse queries, in-database analytics, and sophisticated workload management, the Teradata Database supports, enables all Teradata Data Warehouse solutions.
VoltDB	VoltDB is an enterprise-ready, NewSQL offering. It combines real-time analytics on flows of data, strong ACID guarantees, familiar SQL data interactivity, and native clustering. VoltDB is used for applications that require fast decisions on live streams of data with the speed of NoSQL and strong consistency.

Data Transformation (Extract-Transform-Load)

Company Name	Company Description
Alation	Alation's enterprise collaborative data platform empowers employees inside of data-driven enterprises to find, understand, and use the right data for better, faster business decisions. Alation combines the power of machine learning with human insight to automatically capture information about what the data describes, where the data comes from, who's using it and how it's used.
Alooma	Alooma's powerful data integration platform performs any integration on any data warehouse on real-time ETL at scale. Alooma enables data teams to have visibility and control. It brings data from your various data silos together to your data warehouse, all in real-time.
Alteryx	Alteryx is a self-service data analytics with a platform that can prep, blend, and analyze all of your data, then deploy and share analytics at scale for deeper insights in hours, not the weeks that you may be used to.

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Company Name	Company Description
Bedrock Data	Bedrock Data is the software who connects, cleans and synchronizes all your cloud systems in real-time. It integrates SaaS systems.
Crux	Crux Build custom data pipelines that flow quickly and seamlessly from suppliers to users. Helps eliminate the need to build and maintain complex infrastructure to manage data.
Enigma	The Enigma ecosystem of Data Infrastructure is built to organize the world's public data and designed for flexibility. Enigma's infrastructure connects disparate datasets across organizational silos. Their Concourse and Assembly platforms enable you to design resilient data pipelines, improve metadata, and search and build on top of data assets.
Exasol	EXASOL helps companies to run their businesses smarter and drive profit by analyzing data and information at unprecedented speeds. They have developed database for analytics and data warehousing, and offer first-class know-how and expertise in data insight and analytics.
FlightGlobal	FlightGlobal provides powerful aviation intelligence through data and analytics. We continue to develop new capabilities to support our customers' short and long-term decisions and planning, leveraging our unique combination of expertise, technology and databases. It demonstrates our commitment in providing a complete view of the aviation industry today, tomorrow and beyond.
Geneea	Geneea helps you analyze large amounts of text. Whether it is Facebook, blogs, e-mails or legal documents in your archives.
Hivemind	Hivemind is a data science and technology company that specialises in creating structured data from an unstructured world. Hivemind builds advanced data science tools that unlock transformative insights from unstructured or even unrecorded data. Our products combine computational techniques with distributed human intelligence, covering the full spectrum from unstructured documents to the unrecorded collective wisdom of crowds.
Informatica	Informatica can integrate, secure, and govern next-generation big data with repeatable, reliable, and maintainable processes to add value to your organization. Informatica Cloud can manage and integrate your data across Salesforce, Microsoft Azure, Amazon Web Services (AWS), Amazon Redshift, Workday, and hundreds of other data sources, regardless of their location.
Kognitio	Kognitio provides massive query acceleration and high concurrency by pulling the data of interest into high speed memory so that highly efficient massively parallel processing algorithms can be applied to each and every operation. The Kognitio Platform has very rich and mature SQL support as well as an extremely flexible and powerful NOSQL capability. It can be implemented on both Hadoop and existing data warehouses.
link.fish	Automatically get the information of the websites you are interested in and work with it together with others in real-time. Depending on the page you bookmark link.fish automatically extracts the data you actually care about. No matter if bedrooms for apartments, rating of movies or the cook time of your favorite recipe. Invite other people to your collection to work with them or make it public for everybody to see. All changes made will immediately be visible by everyone.
MuleSoft	MuleSoft provides the most widely used integration platform (Mule ESB & CloudHub) for connecting SaaS & enterprise applications in the cloud and on-premise. Delivered as a unified integration experience, CloudHub™ and Mule ESB™ (Enterprise Service Bus) are built on proven open source technology for fast and reliable on-premise and cloud integration without vendor lock-in.
Paxata	Paxata provides an Adaptive Information Platform that enables business analysts with an enterprise-grade, self-service data preparation system to support the on-demand and ad-hoc business data needs for analytics, operations and regulatory requirements.
Pentaho	Pentaho's big data integration and analytics solutions turn information into insights to help your organization gain a competitive advantage. Pentaho Data Integration prepares and blends data to create a complete picture of the business that drives actionable insights. The platform delivers accurate, analytics-ready data to end users from any source. With visual tools to eliminate coding and complexity, Pentaho puts big data and all data sources at the fingertips of business and IT users.
Pitchbook	PitchBook is a financial data and software company with offices in London, New York, San Francisco and Seattle. Serving clients in 19 languages, we provide thousands of global business professionals with comprehensive data on the private and public markets to help them discover and execute opportunities with confidence.
Podium Data	Podium is a turnkey, end-to-end big data management platform that revolutionizes how enterprises manage, prepare, and deliver data. It transforms your traditional data supply chain into a self-service, on-demand marketplace.
Segment	Segment is an analytics API and Customer Data Platform. It collects customer data from client's web, mobile, server and cloud apps, integrates the data and loads it to the client data warehouse.
SnapLogic	SnapLogic is a unified data and application integration platform as a service (iPaaS). Their hybrid cloud architecture is powered by 300+ Snaps, which are pre-built integration components that simplify and automate complex enterprise integration patterns and processes.

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Company Name	Company Description
StitchData	Stitch is a simple, powerful ETL built for developers with all the flexibility and control software developers need to provision data, without the maintenance headaches. Their clean, flexible UI allows developers to configure their data pipeline in a way that balances data freshness with cost and production database load.
StreamSets	StreamSets software delivers performance management for dataflows that feed the next generation of big data applications. It brings operational excellence to the management of data in motion, so that data continually arrives on-time and with quality, empowering business-critical analysis and decision-making.
Talend	Talend is open source integration software provider to data-driven enterprises. Talend's customers connect anywhere, at any speed. From ground to cloud and batch to streaming, data or application integration, Talend connects at big data scale, 5x faster and at 1/5th the cost.
Tamr	Tamr's patented software fuses the power of machine learning with knowledge of data to automate the rapid unification of data silos.
Tealium	Tealium customer data platform, comprised of an enterprise tag management solution, omnichannel customer segmentation and action engine, and suite of rich data services, creates a vendor-neutral data foundation that spans web, mobile, offline and IoT.
Trifacta	Trifacta's mission is to create radical productivity for people who analyze data. Data Wrangling by Trifacta allows you to discover, wrangle, and visualize complex data quickly.
Vertica	The HPE Vertica Analytics Platform is purpose built from the very first line of code for Big Data analytics. It is designed for use in data warehouses and other big data workloads where speed, scalability, simplicity, and openness are crucial to the success of analytics. Vertica relies on a tested, reliable distributed architecture and columnar compression to deliver fast speed.
Xplenty	Xplenty's platform allows organizations to integrate, process, and prepare data for analytics on the cloud. By providing a coding and jargon-free environment, Xplenty's scalable platform ensures businesses can quickly and easily benefit from the opportunities offered by big data without having to invest in hardware, software, or related personnel. With Xplenty, every company can have immediate connectivity to a variety of data stores and a rich set of out-of-the-box data transformation components.
Zaloni	Zaloni provides enterprise data lake management, governance and self-service data solutions to ensure a clean, actionable data lake. Their Mica and Bedrock platform enables customers to gain their own competitive advantage through organized, actionable data lakes.

Hadoop and Spark Framework

Company Name	Company Description
Alluxio	Alluxio, formerly Tachyon, is an Open Source Memory Speed Virtual Distributed Storage. It enables any application to interact with any data from any storage system at memory speed. It is a memory-centric distributed storage system enabling reliable data sharing at memory-speed across cluster frameworks, such as Spark and MapReduce.
Altiscale	Altiscale provides Big Data as a Service using Hadoop, Spark, and other data science tools in the cloud. Use cases for Financial Services include: 1) Aggregating structured and unstructured data from multiple customer interactions to obtain a holistic view of customers. 2) Analyzing a combination of historical and real-time market data to make investment decisions. 3) Accurately modeling the credit and investment risk the firm is exposed to at any point in time. 4) Using advanced analytics to set insurance rates, particularly from usage-based insurance programs. 5) Identifying instances of fraud, such as unauthorized transactions, false insurance claims, and money laundering.
Amazon Web Services	Amazon Web Services offers reliable, scalable, and inexpensive cloud computing services. Free to join, pay only for what you use. It is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow.
Apache Kylin	Distributed Analytics Engine designed to provide SQL interface and OLAP on Hadoop supporting extremely large datasets
BlueData	BlueData deploys Big Data by making it easier, faster, and more cost-effective for organizations of all sizes to use Hadoop and Spark infrastructure on-premises (or in the public cloud). You can 1) Spin up Hadoop or Spark clusters for test or production environments. 2) Deliver the agility and efficiency benefits of virtualization, with the performance of bare-metal. 3) Work with any Big Data analytical application, any Hadoop or Spark distribution, and any infrastructure. 4) Provide the enterprise-grade governance and security required, in a multi-tenant environment.
CAZENA	Cazena handles a wide range of enterprise data and analytics. Its services include 1) Data Science Sandbox to run a wide range of analytics in the cloud, without assembling or maintaining the underlying technology. 2) Cloudera Data Lake to collect, stage and pre-process raw data like log files or streaming data or cost-efficiently archive historical data. 3) Data Mart to improve access, share data or

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Company Name	Company Description
CDAP	augment data warehouses. CDAP is 100% open source platform that provides both data integration and app development capabilities on Apache Hadoop and Spark. The platform helps you future proof your big data investments, provides rapid time to value, and empowers your business users with a self-service user experience.
CenturyLink	CenturyLink provides Cloud and Hosting Services. They provide tools to economically start, grow, and support applications using on-demand server resources in a virtualized environment that is easily accessible over a public network. It also helps to create secure and reliable data center colocation services, helping businesses increase efficiency, cut costs, increase growth opportunities and improve service levels.
Cloudera	Cloudera is a Big Data company with analytics abilities. It allows companies to store huge amounts of data on a low cost hardware. They provide solutions in data processing, machine learning, stream processing and exploratory data science.
Databricks	Databricks provides a Virtual Analytics Platform on top of Apache Spark that empowers anyone to easily build and deploy advanced analytics solutions.
Flink	Apache Flink® is an open-source stream processing framework for distributed, high-performing, always-available, and accurate data streaming applications.
Google Cloud Platform	Google Cloud Platform lets you focus on what's next for your business. Google Cloud Platform frees you from the overhead of managing infrastructure, provisioning servers and configuring networks. They provide Future proof infrastructure, powerful data and analytics. Also, it lets you build and host applications and websites, store data, and analyze data on Google's scalable infrastructure.
GridGain	GridGain Systems offers in-memory computing software and services solutions. As an in-memory solution, query times are 1,000 to 1,000,000 times faster than disk-based systems. You can modernize your existing data-intensive architecture by inserting GridGain between your existing application and database layers. It features a unified API which supports SQL, C++, .NET, PHP, MapReduce, JAVA/Scala/Groovy, and Node.js access for the application layer. GridGain and applications and databases can run on premise, in a hybrid environment, or on a cloud platform such as AWS, Microsoft Azure or Google Cloud Platform.
Hadoop HDFS	The Hadoop Distributed File System (HDFS) is a distributed file system designed to run on commodity hardware. HDFS is a scalable, fault-tolerant, distributed storage system that works closely with a wide variety of concurrent data access applications, coordinated by YARN
Hadoop MapReduce	Hadoop MapReduce is a software framework for easily writing applications which process vast amounts of data (multi-terabyte datasets) in-parallel on large clusters (thousands of nodes) of commodity hardware in a reliable, fault-tolerant manner.
Hortonworks	The Hortonworks data management platform gives solutions for big data analysis in the open-source architecture for all types of data.
IBM BigInsights	IBM BigInsights combines 100% open source Hadoop and Spark for the open enterprise to cost-effectively analyze and manage big data. You can get more insights by combining a variety of data sources in creative and innovative ways using Hadoop. IBM provides a complete solution, including Spark, SQL, Text Analytics and more to scale analytics quickly and easily.
IBM InfoSphere	The InfoSphere Platform provides data integration, data warehousing, master data management, big data and information governance. The platform provides foundation for information-intensive projects, providing the performance, scalability, reliability and acceleration needed to simplify difficult challenges.
INRIX	INRIX is a global SaaS and DaaS company which provides a variety of Internet services and mobile applications pertaining to road traffic and driver services.
Jethro	Jethro makes Real-Time Business Intelligence work on Hadoop, integrates with Tableau, Qlik & SaaS analytics dashboards. Jethro transparently supports all SQL queries, for thousands of concurrent users analyzing tens of billions of rows. All that with interactive response times measured in seconds.
MapR	The MapR Converged Data Platform integrates Hadoop, Spark, and Apache Drill with real-time database capabilities, global event streaming, and scalable enterprise storage to power big data applications. The MapR Platform delivers security, reliability, and real-time performance, while lowering both hardware and operational cost.
Mesos	Apache Mesos abstracts CPU, memory, storage, and other compute resources away from machines (physical or virtual), enabling fault-tolerant and elastic distributed systems to easily be built and run effectively.
Microsoft Azure	Microsoft Azure is an open, flexible, enterprise-grade cloud computing platform. It is a growing collection of integrated cloud services that developers and IT professionals use to build, deploy, and manage applications through our global network of datacenters. With Azure, you can build and deploy wherever you want, using the tools, applications, and frameworks of your choice.

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Company Name	Company Description
Pivotal	Pivotal provides development services on an open source platform. Services include mobile banking, trading and transactions, compliance and process automation, personalized sales and marketing & Risk, fraud and security management.
Qubole	Qubole Data Service (QDS) turns big data analytics into actionable insights across multiple big data use cases like Sentiment Analysis, 360-Degree Customer View, Ad-hoc Analysis, Real- Time Analytics, Multi-Channel Marketing, Customer Micro-Segmentation, Ad Fraud Detection and Clickstream Analysis.
Spark	Apache Spark is a fast and general engine for big data processing, with built-in modules for streaming, SQL, machine learning and graph processing. It runs programs up to 100x faster than Hadoop MapReduce in memory, or 10x faster on disk. Spark runs on Hadoop, Mesos, standalone, or in the cloud.
Tez	The Apache Tez™ project is aimed at building an application framework which allows for a complex directed-acyclic-graph of tasks for processing data. It is currently built atop Apache Hadoop YARN.
Trafodion	Apache Trafodion (incubating) is a webscale SQL-on-Hadoop solution enabling transactional or operational workloads on Apache Hadoop. Trafodion builds on the scalability, elasticity, and flexibility of Hadoop. Trafodion extends Hadoop to provide transactional integrity, enabling new kinds of big data applications to run on Hadoop.
Treasure Data	Treasure Data makes over 100+ integrations to unify your data using data connectors, machine learning and more. It connects, unifies, analyzes, scales and automates data infrastructure.
Yarn	Yarn is a fast, reliable, and secure dependency management system. It is a package manager for your code. It allows you to use and share code with other developers from around the world. Yarn allows you to use other developers' solutions to different problems, making it easier for you to develop your software.

Data Analysis Infrastructure (Cluster and Clouds)

Company Name	Company Description
Alibaba Cloud	As the cloud computing arm and business unit of Alibaba Group (NYSE: BABA), Alibaba Cloud provides a comprehensive suite of global cloud computing services to power both our international customers' online businesses and Alibaba Group's own e-commerce ecosystem. Alibaba Cloud's international operations are registered and headquartered in Singapore, and the company has international teams stationed in Dubai, Frankfurt, Hong Kong, London, New York, Paris, San Mateo, Seoul, Singapore, Sydney and Tokyo.
Amazon Web Services	Amazon Web Services offers reliable, scalable, and inexpensive cloud computing services. Free to join, pay only for what you use. It is a secure cloud services platform, offering computing power, database storage, content delivery and other functionality to help businesses scale and grow.
COHO Data	Coho Data offers an integrated Software Defined Infrastructure (SDI) solution that brings public cloud simplicity, true scale-out and low cost economics into the data center. The Coho DataStream platform simplifies data center infrastructure operations and management, by abstracting storage, network and compute, thereby allowing for the right mix of resources for varied application demands.
CoreOS	CoreOS is a lightweight Linux operating system designed for clustered deployments providing automation, security, and scalability for your most critical applications.
Docker	Docker is an open platform for developers and sysadmins to build, ship, and run distributed applications, whether on laptops, data center VMs, or the cloud.
ESRI	Esri is an international supplier of geographic information system software, web GIS and geodatabase management applications.
Google Cloud Platform	Google Cloud Platform lets you focus on what's next for your business. Google Cloud Platform frees you from the overhead of managing infrastructure, provisioning servers and configuring networks. They provide Future proof infrastructure, powerful data and analytics. Also, it lets you build and host applications and websites, store data, and analyze data on Google's scalable infrastructure.
HPCC Systems	HPCC Systems helps process and analyze big data more efficiently and reliably than with any other comparable solution available. The platform delivers superior performance, agility, and scalability.
Huawei Cloud	Since the implementation of Huawei's "cloud- pipe-device" strategy, Huawei Enterprise Cloud have focused on the IaaS layer, enable the PaaS layer, and aggregate the SaaS layer. Huawei Enterprise Cloud services are committed to providing secure and reliable cloud services for enterprises, governments, and innovative/startup groups. Using ICT services is as easy as 1-2-3.
Info Works	InfoWorks provides a complete functionality in a single platform from data ingestion, data synchronization and the building of data

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Company Name	Company Description
	models and cubes. It scales your data warehousing and analytics on Hadoop by using advanced machine intelligence.
Inspur	Inspur is one of the largest global data center and cloud computing solutions provider in the world. Our technological capabilities enable us to deliver full Cloud service stack from IaaS and PaaS to SaaS. We are widely recognized as the leaders in computing and server hardware design and production, and work with more than 1,000 enterprises around the world in end to end HPC, cloud computing, and private and public cloud management.
Kubernetes	Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications
Mesosphere	Mesosphere is democratizing the modern infrastructure we use at Twitter, AirBnB, and other webscale companies to quickly deliver data-driven services on any datacenter or cloud. Apache Mesos is the open-source distributed systems kernel at the heart of the Mesosphere DC/OS. It abstracts the entire datacenter into a single pool of computing resources, simplifying running distributed systems at scale.
Microsoft Azure	Microsoft Azure is an open, flexible, enterprise-grade cloud computing platform. It is a growing collection of integrated cloud services that developers and IT professionals use to build, deploy, and manage applications through our global network of datacenters. With Azure, you can build and deploy wherever you want, using the tools, applications, and frameworks of your choice.
Nimble Storage	Nimble storage provides All Flash and Hybrid Flash solutions with its predictive flash platform to give quick and reliable access to data.
Panasas	Panasas is the premier provider of hybrid scale-out NAS storage for technical computing and enterprise workloads. All Panasas ActiveStor storage appliances leverage the Panasas PanFS parallel file system for superior performance, data availability and reliability, linear scalability, and easy management.
Pepperdata	Pepperdata is the big data performance company that provides solutions to complex performance problems, helps to run more jobs on your cluster, and guarantee on-time executions of critical jobs.
Pivotal	Pivotal provides development services on an open source platform. Services include mobile banking, trading and transactions; compliance and process automation; personalized sales and marketing; and risk, fraud and security management.
Qumulo	Qumulo Core is the leader in data-aware scale-out NAS. Its real-time analytics help storage administrators obtain instant answers about their data footprint by explaining usage patterns and which users or workloads are impacting their performance and capacity.
Snowflake	Snowflake provides a data warehouse built for the cloud, delivering a solution capable of solving problems for which legacy, on-premises and cloud data platforms were not designed.
StackIQ	StackIQ gives you the ability to deploy and manage large-scale Big Data infrastructure quickly and efficiently. It helps customers build, run, and manage large distributed systems and private cloud infrastructure with a complete automation platform.
Tencent Cloud	Tencent Cloud is a secure, reliable and high-performance cloud compute service provided by Tencent.
Veeva	Veeva Systems Inc. is cloud-based software for the global life sciences industry committed to innovation, product excellence, and customer success.
Waterline Data	Waterline is an enterprise data catalog company. They help data professionals discover, organize and curate data and also expose the newly organized data for business professionals to use.

Data Management and Security

Company Name	Company Description
Actifio	Actifio's data virtualization software lets enterprises deliver data-as-a-service, instantly, anywhere across a hybrid cloud environment. It results in faster testing for DevOps and better data protection SLAs, all while reducing cost and complexity.
Amazon Web Services	Amazon Web Services offers reliable, scalable, and inexpensive cloud computing services. Free to join, pay only for what you use. It is a secure cloud services platform, offering computing power, database storage, content delivery and other functionality to help businesses scale and grow.
Anodot	Anodot is a real time analytics & automated anomaly detection solution that discovers & turns outliers in time series data into valuable business insights.
Anomali	Anomali is a Threat Intelligence Platform that enables businesses to integrate security products and leverage threat data to defend against cyber threats.

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Company Name	Company Description
AppDynamics	AppDynamics delivers real-time access to every aspect of your business and operational performance, so you can anticipate problems, resolve them automatically, and make smarter, more certain business decisions. AppDynamics now a part of Cisco
Blue Talon	BlueTalon is a leading provider of data-centric security for next-gen data platforms. BlueTalon keeps enterprises in control of their data by allowing them to give users access only to the data they need.
BrightPlanet	BrightPlanet is a deep web data collection & software-as-a-service company that specializes in harvesting large amounts of unstructured web data and preparing it for analysis.
Cipher Cloud	CipherCloud provides full-scale enterprise cloud security solutions for cloud monitoring, encryption, key management, malware detection and compliance.
Clarity	Clarity's solutions include pricing sophistication and accuracy for property and casualty insurance, database marketing and campaign management, and customer data integration. The company also provides advisory services, such as strategy, capability maturity assessment, data analytics, master data management/data governance, and program/project management; architecture services, including solution blueprints, information architecture, data virtualization, search, mobile business intelligence, and technology selection; build services, including data stores, data integration, information delivery and advanced analytics.
Code42	Code42 protects more than 39,000 organizations worldwide. Code42 enables IT and security teams to centrally manage and protect critical data for some of the most recognized brands in business and education. From monitoring endpoint data movement and use, to meeting data privacy regulations, to simply and rapidly recover from data incidents.
Cylance	Cylance® is revolutionizing cybersecurity with products and services that proactively prevent, rather than reactively detect the execution of advanced persistent threats and malware. Protect your endpoints against advanced malware with the antivirus built on Artificial Intelligence and machine learning.
Darktrace	Darktrace is an Enterprise Immune System technology company for cyber security. Darktrace is the cyber defense technology that is capable of detecting anomalous behaviors, without any prior
Data Gravity	DataGravity enables organizations to identify sensitive data across their virtual environments and protect it from theft, misuse, and abuse. DataGravity understands data and helps companies of all sizes secure and protect their sensitive information through actionable insights and timely intelligence about their data.
Datadog	The Datadog team is on a mission to bring sanity to IT Management. With turn-key integrations, Datadog seamlessly aggregates metrics and events across the full devops stack.
Feedzai	Feedzai prevents fraud and keep commerce safe. It uses a machine learning platform for fighting Fraud and Risk.
Guardian Analytics	Guardian Analytics provide fraud prevention solution using behavior-based anomaly detection. They automatically and immediately protect 100 percent of users and account holders against all types of threats and schemes, and dynamically adapts to new attacks and changes in legitimate user behavior.
Illumio	Illumio helps you stop cyber threats, improve understanding of risk, and simplify security operations for applications in and across your data center and cloud.
iSocialSmart	Social Smart Software, LLC (Social Smart) is a leading vendor of enterprise social media marketing and compliance solutions for highly regulated industries. Mission is to provide quality social networking software products that allow everyone to confidently leverage social networks in a riskfree compliant manner.
New Relic	New Relic provides deep performance analytics for every part of software environment. One can easily view and analyze massive amounts of data, and gain actionable insights in real-time for apps, users and business.
Numerify	Numerify is a cloud-based analytics solution that delivers intelligence for IT service, operations & development.
Recorded Future	Recorded Future is the leading dedicated threat intelligence provider, powered by patented machine learning, and driven by world-class threat researchers.
Reltio	Reltio help companies turn their data into information and knowledge assets in the efficient way. Reltio manages all data types including multi-domain master data, transaction and interaction data, third party, public and social data.
Rocana	Rocana's mission is to help technology leaders be the catalyst for digital transformation within their companies. Rocana's objective is to arm technologists with total visibility and the power to outperform the competition. Their innovative operations software eliminates the boundaries of legacy IT monitoring tools, challenging all assumptions about the scale and economics of total visibility.
SciDex Alpha	Blockchain-based alternative data marketplace, currently populated with mostly demographic data. It uses SciDex protocol which

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Company Name	Company Description
	enables users to generate compliant, human readable and adaptable smart contracts and is being built in a customer-centric approach working side by side with great design partners.
SecurityScorecard	SecurityScorecard provides the most accurate security ratings & continuous risk monitoring for vendor and third party risk management.
Sift Science	Sift Science is powered by data, technology, and people. Apps worldwide send data in real-time to Sift Science using their modern REST APIs & JavaScript snippet. Their large-scale machine learning technology analyzes data instantly connecting clues left behind by fraudsters.
Splunk	Splunk Inc. provides the leading platform for Operational Intelligence. Customers use Splunk to search, monitor, analyze and visualize machine data.
Sqrrl	Sqrrl is the threat hunting company that enables organizations to target, hunt, and disrupt advanced cyber threats. Sqrrl Enterprise enables the ingestion and analysis of disparate datasets to facilitate proactive threat detection, which is also known as cyber threat hunting.
StackPath	StackPath is the intelligent web services platform for security, speed and scale. It unifies enterprise security solutions by leveraging collaborative intelligence that makes each service smarter and more secure with every threat detected, in addition to vastly improving the customer experience.
Tanium	Tanium invented a fundamentally new approach to endpoint security and systems management, where security and IT operations teams can achieve 15-second Visibility and Control.
ThreatMetrix	ThreatMetrix, The Digital Identity Company, helps businesses prevent online fraud, while enhancing the customer experience and boosting revenue.
Vectra	Vectra provides real-time attack visibility and non-stop automated threat hunting powered by Artificial Intelligence. The result is blind-spot-free threat detection coverage across the entire network infrastructure and all devices, including IoT and BYOD. Vectra also lets you respond quickly and decisively to attacks by putting the most relevant threat information and context at your fingertips.

Machine Learning Tools

Company Name	Company Description
1Qbit	1QBit mission is to apply breakthroughs in computation to machine intelligence and
Agolo	Agolo uses Artificial Intelligence (machine learning and natural language processing) to create summaries from the world's information in real-time.
AIDYIA	Aidya deploy cutting edge artificial general intelligence (AGI) technology to identify patterns and predict price movements in global financial markets. Aidya Limited is licensed by the Securities and Futures Commission of Hong Kong as an asset manager.
Alation	Alation's enterprise collaborative data platform empowers employees inside of data- driven enterprises to find, understand, and use the right data for better, faster business decisions. Alation combines the power of machine learning with human insight to automatically capture information about what the data describes, where the data comes from, who's using it and how it's used. Customers include eBay, MarketShare, Square, and some of the world's largest finance and retail firms
Algocian	Algocian provides state-of-the-art video analytics for security and automotive applications Algocian's detection system reduces bandwidth costs for providers, increasing profitability.
AlgoDynamix	AlgoDynamix is a pioneering portfolio risk analytics company focusing on financially disruptive events. The deep data algorithms underpinning the AlgoDynamix analytics engine use primary data sources (the world's global financial exchanges) and proprietary unsupervised machine learning technology.
Alluvium	Alluvium delivers real-time collective intelligence to expert-driven industrial operations.
Alt&A advisory	A AI based trading platform to sove complex mathematical calculations and optimize institutional trading
Amplitude	Amplitude has analytics that helps companies of any size gain valuable insights from user behavior. Make better product decisions based on user insights and get the web and mobile analytics your team needs.
Anodot	Anodot is a real time analytics & automated anomaly detection solution that discovers & turns outliers in time series data into valuable

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
	business insights.
Apcera	Apcera is an enterprise-grade container management platform with workflow, orchestration, scheduling, storage, networking, plus a container engine, delivering a complete, enterprise-ready solution for businesses.
ASI Datascience	ASI Datascience empowers organisations to become more data-driven by providing first class software, skills, and advisory solutions. To unlock the power of data in gaining competitive advantage, we help organisations to make sense of the data, big and small. We believe firmly in providing innovative, simple and easy to implement solutions that generate business value.
Ayasdi	Ayasdi is an advanced analytics company that offers a machine intelligence platform and intelligent applications. Ayasdi is used to solve big data and complex data analytics challenges and to automate formerly manual processes using unique data. Ayasdi's machine intelligence platform combines scalable computing and big data infrastructure with the latest machine learning, statistical and geometric algorithms and Topological Data Analysis to enable data scientists, domain experts and business people to be exponentially more productive.
AYLIEN	AYLIEN provides a text analysis and Sentiment Analysis solutions to unlock the hidden value of your text. AYLIEN Text Analysis API is a package of Natural Language Processing, Information Retrieval and Machine Learning tools for extracting meaning and insight from textual and visual content with ease.
Baidu Big Data Lab	Baidu Big Data Lab (BDL) was founded in July 2014, which is one of the three interrelated teams of Baidu Research. BDL focuses on large-scale machine learning algorithms , Core Search Technologies and big data applications in areas such as predictive analytics, vertical business solutions, large data structure algorithms, and intelligent systems research. Currently, BDL has established world-leading large-scale machine learning platform, Deep Learning based personal secretary platform, intelligent spatial-temporal data analytics platform, and intelligent business big data solution platform. Meanwhile, BDL also obtained prolific research achievements and industrial experience in a variety of big data application domains, such as Core Search Technologies , health-care, retail, finance, tourism, and real estate.
BeyondCore	Salesforce Has Completed Its Acquisition of BeyondCore. BeyondCore analyzes millions of data combinations in minutes, for unbiased answers, explanations and recommendations - to improve business metrics that matter, today.
Big xyt	Big xyt is a service provider for smart, flexible, efficient and smart data solutions dedicated to interactive analytics of large data sets. Big xyt engineers and operates solutions for storing and analyzing large amounts of data, enabling customers to transform data into information and decisions instantaneously.
BigML	BigML is a consumable, programmable, and scalable Machine Learning platform that makes it easy to solve and automate Classification, Regression, Cluster Analysis, Anomaly Detection, Association Discovery, and Topic Modeling tasks. BigML is helping thousands of analysts, software developers, and scientists around the world to solve Machine Learning tasks "end-to-end", seamlessly transforming data into actionable models that are used as remote services or, locally, embedded into applications to make predictions.
Bitfusion	Bitfusion provides software that makes managing and using Deep Learning and AI infrastructure easy, elastic, and efficient. Bitfusion is completely changing that dynamic, enabling all organizations, data scientists, and developers to leverage Deep Learning software and high-performance hardware like GPUs quickly, productively, and cost-effectively.
Blue Pool	BluePool enables transformation of business models in the financial industry through sophisticated AI and Machine Learning based decision algorithms.
BlueData	BlueData simplifies and accelerates your Big Data deployment, with lower costs and with fewer resources. You have a highly flexible, agile, and secure Big-Data-as-a-Service environment to enable faster time-to-insights and faster time-to-value – now available either on-premises or on AWS.
BMLL Technologies	BMLL Technologies Ltd hosts full depth limit order book data on the AWS cloud. Machine learning API allows generalized pattern recognition. Also provides unlimited processing power through the AWS cloud with up to 80% reduction over usual cloud costs.
Bonsai	Bonsai abstracts away the complexity of machine learning libraries and algorithms, making the programming and management of AI models more accessible to developers.
Cambridge Semantics	Cambridge Semantics Inc. is an enterprise analytics and data management software company. Our software, allows IT departments and their business users to semantically link, analyze and manage diverse data whether internal or external, structured or unstructured, with speed, at big data scale and at the fraction of the implementation costs of using traditional approaches.
Capio	Capio is focused on developing the engine that drives human-to-machine experiences. Powered by the latest advancements in Machine Learning and High Performance Computing, their contextually-aware ASR solutions power applications across multiple industries, including Automotive, Robotics, Call Center, Voice Biometrics, Home Automation and Transcription.

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
Captricity	Captricity's handwriting recognition technology helps organizations in insurance, government and healthcare unlock access to the customer data they need to optimize business processes, improve decision making and enhance the customer experience.
Cask	Cask focus on Apps and Insights, not on Infrastructure and Integration. Cask makes building and running big data solutions easy, provides the first unified integration platform for big data that cuts down the time to production for data applications and data lakes by 80%.
CircleCI	CircleCI provides every developer state-of-the-art automated testing and continuous integration tools. Thousands of leading companies including Facebook, Kickstarter, Shyp, and Spotify rely on CircleCI to accelerate delivery of their code and enable developers to focus on creating business value fast.
Citrine Informatics	Citrine Informatics is the operating system for advanced materials and chemicals. Our data driven platform brings together the world's materials data and creates a corporate asset from your internal data. The result is that our Global 1000 customers hit their development, product design, and manufacturing targets 2-5 times faster, creating billions of dollars in market advantage.
Clarabridge	Utilize sentiment and text analytics to automatically collect, categorize and report on structured and unstructured data. It's more than text analytics, more than speech analytics, more than customer experience intelligence: Clarabridge enables a real-time, continuous feedback loop for constant, consistent performance across your business.
Clarifai	Clarifai is an Artificial Intelligence company that uses visual recognition, solving real-world problems for businesses and developers alike. Clarifai applies machine learning to image & video recognition, helping customers understand and manage their media.
CognitiveScale	CognitiveScale's Augmented Intelligence platform and products pair humans and machines so they can achieve something new and exponentially valuable together: Engage users intelligently at the edge and Amplify process intelligence at the core
Context Relevant	The Context Relevant platform uses machine learning to enable the rapid creation of intelligent applications that deploy at enterprise scale, reacting automatically to trends and changes that occur in the underlying environment, updating dynamically, and improving over time.
Cortica	Cortical.io has wrapped its Retina Engine into an easy-to-use, powerful platform for fast semantic search, semantic classification and semantic filtering. With the Retina Platform, you can process any kind of text, independently of language and length.
Cycorp	The Cyc software combines common sense knowledge base with powerful inference engines and natural language interfaces to deliver human-like understanding and transparent explanations of its output and reasoning. Cyc applications can stand alone or work in concert with pattern matching AI tools, such as Machine Learning, to deliver truly differentiated value.
Dataiku	Dataiku DSS is the collaborative data science software platform for teams of data scientists, data analysts, and engineers to explore, prototype, build, and deliver their own data products more efficiently.
DataRobot	DataRobot automates the entire modeling lifecycle, enabling users to quickly and easily build highly accurate predictive models.
Declarra	With Declarra, you can manage your learning in one unified, intelligent knowledge engine that helps you get smarter faster. Declarra provides a better way to discover the content that matters to you, your teams, and communities. Their proprietary CognitiveGraph™ engine uses semantic analysis and predictive analytics to generate your Learning Profile and power your personalized learning feed. The more it learns about what you find valuable, the more valuable it becomes in aiding your discovery of new content and insights.
Deep Vision	DeepVision provides agile, innovative and profitable state of the art Deep Learning based computer vision solutions applied to several industries by leveraging cutting edge technologies and trends.
Deepomatic	Deepomatic API integrates the power of Deep Learning and computer vision into projects. They provide ready-to-use specialized detection APIs: fashion, weapon detection, furniture detection, urban scene detection (cars, pedestrian, traffic signs), as well as a visual search engine. They also customize APIs tailored to the use-case.
Deepsense.io	Deepsense.io provides Deep Learning and machine learning solutions. It has two products: 1) Neptune is designed to give data science teams the freedom to explore, while remaining organized and collaborative throughout the creative process. 2) Seahorse is designed to help build Spark applications in a visual and interactive way. Users who want to create data workflows, from ETL to predictive modeling, can do it quickly and easily: no programming skills are required.
Deltix	Deltix is a provider of software and services for quantitative research, algorithmic and automated systematic trading. Deltix software enables a complete straight through processing environment for the development and deployment of closely-integrated alpha generation and/or execution strategies.
Domino	Domino provides data science teams with best practice knowledge management and reproducibility, and rapid development and deployment of models. It is a front-end to the cloud, automating elastic compute designed for data science workloads, while letting IT

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
	control resource usage.
Elastic Search	Elasticsearch is a distributed, RESTful search and analytics engine capable of solving a growing number of use cases. As the heart of the Elastic Stack, it centrally stores your data so you can discover the expected and uncover the unexpected.
Endor	Powered by the latest AI-science, Endor's easy-to-use platform allows business users to ask any predictive question and receive fast, accurate results to anticipate your customers' evolving needs and next steps. Endor helps your company to move from doing business by looking in the rear-view mirror to focusing on the road ahead.
ExtraHop	ExtraHop makes data-driven IT a reality with real-time analytics and cloud-based machine learning. ExtraHop analyze every single digital interaction occurring in the IT environment and turn that data into the most accurate and timely source of intelligence for everyone from IT Operations to Security to the CIO.
FlexTrade Systems	FlexTrade Systems is the global leader in broker-neutral algorithmic trading platforms and execution systems for equities, foreign exchange and listed derivatives. A pioneer in the field, FlexTrade introduced the first trading system that allowed clients to control and customize their proprietary algorithms while maintaining the confidentiality of their trading strategies through a vendor-provided, broker-neutral platform.
Fuzzyio	Fuzzy.io takes your knowledge and intuition about your business and converts that into an algorithm that improves automatically.
GloT	GloT, Green IoT, is LPWAN (Low Power Wide Area Network) IoT total solution provider. They design and manufacture GloT devices and AP/Gateway, optimize and operate base station, manage gateway and data forwarding, develop application cloud system.
Global Tone Communication(GTCOM)	Global Tone Communication Technology Co., Ltd. (GTCOM) is a big data and AI company. With advanced NLP and semantic computing technologies, it mines and analyzes massive global data, builds industrial knowledge graphs, algorithm models and visualization platforms for finance, technology, intelligent manufacturing, smart city, national security, consulting and multiple other sectors, and provides global corporate users with comprehensive cutting-edge scenario-based solutions powered by big data and AI.
GoogleML	Google Cloud Machine Learning Engine is a managed service that enables you to easily build machine learning models, which work on any type of data, of any size.
GraphQL	GraphQL empowers fast real-time analysis to solve the toughest Big Data problems. Its main products includes, Anti-Fraud/Money Laundering, Customer Intelligence, Supply chain intelligence and energy efficient analytics
Gridspace	Gridspace is a platform for Conversational Intelligence. The company makes software that tells businesses about their mission-critical voice communications. The company's speech processing system, which combines new techniques in the fields of speech recognition, natural language processing, and Artificial Intelligence, turns conversational interactions into structured business data.
H2O.ai	H2O.ai is the maker behind H2O, the open source Deep Learning platform for smarter applications and data products. H2O operationalizes data science by developing and deploying algorithms and models for R, Python and the Sparkling Water API for Spark.
Hanweck	Hanweck is the leading provider of real-time risk analytics on global derivatives markets focusing on the large-scale risk problems of banks, broker/dealers, hedge funds, central counterparties and exchanges - where the number of instruments and positions number in the millions. Hanweck delivers risk analytics as a real-time service in flexible ways, from feeds to APIs that dramatically simplify integration with customers' risk architecture.
HyperScience	HyperScience is an Artificial Intelligence company specializing in the automation of office work. Their machine learning software takes over menial work that people are doing today and frees employees to focus on more complex tasks.
IBM Watson	Watson products and APIs can understand data to reveal business-critical insights, and bring the power of cognitive computing to your organization.
Illumio	Illumio Adaptive Security Platform (ASP) helps you stop cyber threats, improve understanding of risk, and simplify security operations for applications in and across data center and cloud environments.
Imubit	Imubit provides a platform for security, predictive analytics and big analog data of Internet of Things (IoT).
IndexMath	The IndexMath algorithm is based wholly on end of trading day analysis of recurring, counterintuitive, and under-researched mathematical patterns in the share prices of the UK's FTSE All-Share Index (FTAS).
Interana	Interana is defining and leading a new category of behavioral analytics for the digital economy which enables people to obtain insights from the actions people, products, or machines make over time
Javis	JAVIS (Just A Very Intelligent System) is an artificial intelligence solutions provider to organizations with large sales & distribution setup.Javis combines human ingenuity & artificial intelligence to make businesses safer, stronger & more agile.

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
KeenIO	Create intelligent apps APIs for capturing, analyzing, and embedding event data in everything you build. Keen was designed to give developers the flexibility and extensibility of a custom analytics stack, without the hassle and risk of managing big data infrastructure.
Kite	Kite augments a coding environment with all the web's programming knowledge – intelligently sorted completions, all the documentation, and thousands of great examples – into the editor, helping to write the code faster.
Konux	KONUX is an IoT company that integrates smart sensor systems and AI-based analytics to continuously monitor asset and infrastructure condition, and enable predictive maintenance. With them, companies know their assets' health in real time and turn their data into quality increasing and cost-saving actions.
Layer6ai	With Layer6ai's personalization engine, one can access Deep Learning to deliver personalized recommendations, search results and insight with unprecedented accuracy - in real time.
Legis	Legis uses AI techniques to forecast political events.
Lexalytics	Lexalytics process billions of unstructured documents every day, globally. Translate text into profitable decisions; make state-of-the-art cloud and on-premise text and sentiment analysis technologies that transform customers' thoughts and conversations into actionable insights. The on premise Salience® and SaaS Semantria® platforms are implemented in a variety of industries for social media monitoring, reputation management and voice of the customer programs.
LiftIgniter	LiftIgniter uses machine learning to enhance personalization & recommendation. LiftIgniter optimizes for the highest click-through-rate, engagement, reduced bounce, sharing, and conversion. Create brand affinity and Personalization which is revolutionizing the Internet.
Loggly	Loggly is a cloud-based, enterprise-class log management service, serving more than 10000 customers.
Loopai	Loop Q is a software and hardware platform that consists of two core components: the Loop Learning Appliance and the Loop Reasoning Appliance. These components use proprietary unsupervised Deep Learning algorithms designed to iteratively learn language and concepts directly from source data -- without being explicitly told what to look for, or where.
Luminoso	Luminoso Technologies, Inc. is an AI-based deep analytics company that enables clients to rapidly discover value in their data. Analytics and Compass, their flagship products, reveal an accurate, unbiased, real-time understanding of what consumers are saying, uncovering actionable insights and the "unknown unknowns." These insights are used to increase business performance and build better customer experiences.
Maana	Maana's Knowledge Platform™ enables companies to increase profitability. Maana's knowledge graph and algorithms dramatically accelerate knowledge discovery to provide a holistic view of the assets or processes enterprises want to optimize.
MapD	MapD's mission is to not just make queries faster, but to create a fluid and immersive data exploration experience that removes the disconnection between an analyst and their data. The MapD analytics platform leverages the power of highly parallel GPUs.
MarketPrizm	MarketPrizm is a London-based ultra low latency (ULL) trading infrastructure & market data vendor. Our focus is to provide a one-stop, cross-asset class, ULL trading ecosystem of a multi-venue (32 exchanges) distributed architecture for electronic trading across Europe, Asia & the U.S.
Mesosphere	Mesosphere is democratizing the modern infrastructure we used at Twitter, AirBnB, and other webscale companies to quickly deliver data-driven services on any datacenter or cloud. Apache Mesos is the open-source distributed systems kernel at the heart of the Mesosphere DC/OS. It abstracts the entire datacenter into a single pool of computing resources, simplifying running distributed systems at scale.
MetaMarkets	Metamarkets is the provider of interactive analytics for programmatic marketing. Customers such as Twitter, AOL and LinkedIn use the Metamarkets platform to drive their business performance through intuitive access to real-time information. As an independent analytics software provider, Metamarkets gives its users the ability to see what's happening in the media marketplaces where they operate and provides the high- speed processing power needed to gain a competitive edge.
Mindfoundry	Mindfoundry offer data savvy business problem owners software and enablement designed to perfectly augment their expertise and natural way of working so that they may easily and quickly implement machine learning solutions which generate measurable business value.
MindMeld (formerly Expect Labs)	MindMeld is a deep-Domain Conversational AI to power the next generation of Voice and Chat Assistants.
Mobvoi	Mobvoi is a Chinese Artificial Intelligence company providing voice recognition, semantic analysis and search technologies.
MonkeyLearn	MonkeyLearn builds highly scalable Machine Learning API to automate text classification.

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
Nara Logics	Nara Logics builds a synaptic network of explicit and inferred connections to create an intelligence layer on top of chaotic, siloed enterprise data for real-time, context relevant recommendations and give the reasons behind them.
Narrative Science	Narrative Science is humanizing data like never before, with technology that interprets your data, then transforms it into Intelligent Narratives at unprecedented speed and scale. With Narrative Science, data becomes actionable - a powerful asset one can use to make better decisions, improve interactions with customers and empower employees.
Netra	Netra makes sense of imagery, understands how consumers are engaging with the brand or category on social media & improve targeting – using Netra's Visual Intelligence Solution. Netra discovers influential images of your brand on social in real-time.
Nexidia	Nexidia has applied years of research and development to deliver a comprehensive range of customer interaction analytics solutions. Nexidia holds numerous patents for phonetic indexing and searching capabilities which lie at the heart of their analytic products. Their proprietary technology and services support seamless integration with existing infrastructure, workflow processes, and innovative applications.
Opera Solutions	Opera Solutions is a global provider of advanced analytics software solutions that address the persistent problem of scaling Big Data analytics. Signal Hub™, the company's flagship technology platform, extracts and applies insights from the most complex data environments to address multiple business problems and opportunities, accelerating targeted business actions and radically reducing time-to-value.
Pachyderm	Pachyderm lets you store and analyze your data using containers. Pachyderm is a data lake that offers complete version control for data and leverages the container ecosystem to provide reproducible data processing.
Pacific Epoch (China)	Since 2006, Pacific Epoch have delivered a nexus of reliable data and credible local perspective to identify shifts occurring in key in-country internet companies.
Paritech	Paritech specialise in the development and distribution of investment analysis applications that provide solutions to both retail and institutional investors and traders. Solutions are tailored to clients needs covering End Of Day, Delayed or Real Time data.
PatentSight	PatentSight provides its analytics platform as a service. We take care of weekly data updates as well as software and hardware maintenance. You access the service with any web browser. The data content, analysis capabilities and other features of the software are continuously updated and enhanced.
Pit.AI	Pit.AI has developed a core machine learning technology that is based on a nonconventional quantitative finance approach and novel machine learning techniques. Aim is to develop Artificial Intelligence agents that learn how to invest by themselves and that can develop more granular market insights than human experts using massive data sets
Planet OS	Planet OS provides big data infrastructure for the energy industry to help them transform the way data-driven decisions are made. With specialized applications to easily integrate, exchange, and visualize their proprietary as well as third party data, renewable energy can become more competitive.
Pop Up Archive	Pop Up Archive uses cutting edge speech-to-text technology to make sound searchable. For any audio file they tag, index & transcribe it automatically.
Prattle	We produce analytics that predict the market impact of central bank and corporate communications. You can use our analytics to understand and anticipate market movement. Trade on your observations directly or use the analytics as a trading model input.
Predix	Predix helps develop, deploy, and operate industrial apps at the edge and in the cloud. One can securely connect machines, data, and analytics to improve operational efficiency.
Preferred Networks	The focus of Preferred Networks is to apply real-time machine learning technologies to new applications in the emerging field of the Internet of Things (IoT).
Priceconomics	Priceconomics is helping companies turn their data into content marketing that performs. They come up with interesting topics and turn the insights into great content marketing that spreads. Their approach uses a key piece of software called Content Tracker, a content measurement dashboard.
PriceStats	PriceStats' mission is to transform data into meaningful tools for economic analysis. PriceStats' mission is to transform data into meaningful tools for economic analysis.
Project Turbo	Turbo provides machine learning solution to help recognition for different use cases in small footprint without sacrificing recognition accuracy.
Quantenstein	Quantenstein is an integrated software platform for automated long-term value investing that builds on the latest developments in Deep Learning technology. For a given investment universe and set of constraints, Quantenstein optimizes client-specific financial

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
Qurious	performance metrics based on large quantities of fundamental accounting data to assemble tailored investment portfolios.
Rainforest	Qurious leverages the power of Artificial Intelligence to give sales reps real-time answers to real-time questions and objections from customers.
Rainforest	Rainforest QA unleashes the full potential of fast-moving development teams. Code more and ship faster with the only AI-powered Crowdtest Platform built for agile testing and development. Rapidly execute high-quality regression, functional and exploratory testing for web and mobile apps.
Rapidminer	RapidMiner makes data science teams more productive through a unified platform for data prep, machine learning, and model deployment. Its platform accelerates the building of complete analytical workflows – from data prep to modeling to business deployment – in a single environment, dramatically improving efficiency and shortening the time to value for data science projects.
Saama	Saama's Fluid Analytics solutions maximize the customer's existing infrastructure, allowing them to focus on the white space between existing capabilities and the critical business questions that need to be answered... Saama has broad experience in projects including visualization, MDM, Hadoop, cloud and other advanced analytics solutions, in industries such as life sciences, healthcare, insurance, financial services, CPG, high-tech and media.
Scaled Inference	Scaled Inference is the platform for intelligent computing. Their platform interfaces with both machines (software) and people (developers) to enable a new generation of goal-driven, context-adaptive, self-improving software applications.
Scry Analytics	Scry Analytics provides its platforms, solutions and services for creating decision support systems for profit and not-for-profit organizations, the human society at large, and for giving back to the open source community. It combines subject matter expertise with automated computation and Artificial Intelligence to enhance data driven decision making under uncertainty.
Seldon	Seldon is the open-source machine learning pipeline for real-time recommendations and enterprise-grade predictive analytics. It includes proven algorithms, industry models and a microservices API to productionize your own. Seldon is platform-agnostic with no lock-in. You keep full ownership and control of sensitive data on-premise or in the cloud.
Semantic Web Companies	Semantic Web Company GmbH (SWC) is the leading provider of graph-based metadata, search, and analytic solutions. A team of Linked Data experts provides consulting and integration services for semantic data and knowledge portals.
Sentenai	Sentenai automates data engineering for data science. Sentenai's sensor data cloud database uses machine learning to automatically store and index data based on structure and patterns in the data.
Sentient	Sentient Investment Management is developing and applying proprietary quantitative trading and investment strategies built using the Sentient Technologies distributed Artificial Intelligence system, the most powerful system of its kind. Sentient Investment Management utilizes Sentient's Artificial Intelligence platform to continually evolve and optimize its investment strategies.
Shannon.ai	Shannon Technology provides artificial Intelligence solutions for unstructured data processing for large financial institutions
SigOpt	SigOpt is the optimization platform that amplifies research. SigOpt takes any research pipeline and tunes it. Their cloud-based ensemble of optimization algorithms is proven and seamless to deploy, and is used within the insurance, credit card, algorithmic trading and consumer packaged goods industries.
silo.ai	Silo.AI is a private artificial intelligence lab that builds AI as a service. Silo.AI delivers tailor-made AI-driven projects and functions as your sprint-driven AI development center-of-excellence.
SIX Telekurs Financial	SIX Telekurs specializes in procuring, creating, processing and distributing international financial information. Financial market specialists at SIX Telekurs gather information from all the world's major trading venues – directly and in real-time. SIX Telekurs' award winning database of reference data, corporate actions and pricing for 7.6 million financial instruments is structured and encoded, and is unique in terms of its depth of information and data
Skopos Labs	The Skopos Labs team - including artificial intelligence researchers, data scientists, engineers, law & policy experts, and financial professionals - has created a methodology called Automated Predictive Intelligence. Skopos is backed by a group of investors that includes Thomson Reuters' Tech Fund, Orrick's Tech Fund, Saltwater Capital, and one of the world's top financial institutions.
Skymind	The Skymind Intelligence Layer (SKIL) is an open-source enterprise distribution. It contains all of the necessary open-source components and proprietary vendor integrations to build production-grade Deep Learning solutions. Skymind is the company behind Deeplearning4j, the commercial-grade, open-source, distributed deep-learning library written for Java and Scala. Integrated with Hadoop and Spark, DL4J is specifically designed to run in business environments on distributed GPUs and CPUs.
spaCy	spaCy is a free open-source library featuring state-of-the-art speed and accuracy and a powerful Python API. spaCy excels at large-scale information extraction tasks. It's written from the ground up in carefully memory-managed Cython.

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
SparkBeyond	SparkBeyond has built an AI-powered research engine, capable of asking questions and discovering complex patterns in data by understanding their meaning. They combine state-of-the-art Artificial Intelligence technology with large-scale computing to accelerate breakthroughs that are hidden in the data.
SparkCognition	SparkCognition is a Cognitive Security and Analytics company. They use Machine Learning & AI techniques for Cloud Security and IoT.
Stocksnips	Stocksnips crawls, aggregates and analyzes news related to public companies listed on Nasdaq and NYSE. It reads 50,000 articles a day and filters out the noise and analyzes news sentiment
SunGard Global Trading	SunGard is a global leader in software and processing solutions for financial services, higher education and the public sector. SunGard serves more than 25,000 customers in more than 50 countries, including the world's 25 largest financial services companies.
System2LLC	System2 is a quantitative extension of internal investment teams. We help analysts leverage big data to improve model estimates and answer seemingly impossible questions.
TalkingData	TalkingData is China's leading third-party data intelligence solution provider. With SmartDP as the core of its data intelligence application ecosystem, TalkingData empowers enterprises and helps them achieve a data-driven digital transformation.
TalkIQ	TalkIQ offers voice-to-text transcription and AI-driven insights for clients across a wide variety of industries. Using deep-learning algorithms, proprietary speech recognition and natural language processing, they give our clients visibility into all of their phone conversations, extracting insights for uses ranging from sales optimization, to customer service, compliance, and more. Their recommendations enable teams to save time and maximize productivity, through quick access to action-oriented data & analysis.
TempoIQ	TempoIQ is platform for storing, analyzing, visualizing and monitoring the time series data that powers connected applications. Also help IoT companies produce insights in milliseconds instead of months.
Thasos	Thasos' intelligence is derived from volunteered mobile phone location data that has been anonymized, aggregated and thoroughly vetted to ensure compliance with the highest legal, quality and ethical standards. The company's products have been used for the past four years by many of the industry's leading hedge funds whose data scientists, and legal and compliance teams, operate in an extremely demanding and highly regulated environment for information.
Thingworx	The ThingWorx Technology Platform was built from the ground up for the Internet of Things. It makes it easy to develop and deliver powerful IoT solutions that deliver transformative business value.
Thinknum	Analysts from around the world are building the largest repository of financial models on ThinkNum. ThinkNum monitors companies' websites and can be used to access the web's financial knowledge.
ThinkTopic	Solves problems from every domain with machine learning.
Thought Machine	Thought Machine is changing the technology underlying our banking systems. With a world class team expert in cloud computing, machine learning, finance, design and app building, they are creating the banks of the future.
ThoughtSpot	ThoughtSpot combines a new relational search engine for data analytics with a custom-built, in-memory relational data cache to provide sub-second response times to search queries run over billions of rows of data. ThoughtSpot scales to billions of records and thousands of users, and returns results in milliseconds.
TickerTags	Investors, both discretionary and systematic, have traditionally relied on standardized financial data and news to drive investment decisions. As mass adoption of the social web advances the speed, reach, and mechanics of modern communication, the arc of information dissemination flattens, dislocating conventional forms of data discovery and investment research.
Tidemark	Collaborate and create accurate plans, timely budgets, and predict risk-weighted forecasts to drive informed decisions with a financial planning and analytics platform built for the digital era.
Tigerobo	Tigerobo is an artificial intelligence technology driven technology company.
True Value Labs	Truvalue Lab amplifies the research capabilities of investment firms by leveraging artificial intelligence to analyze and interpret massive amounts of unstructured data at a speed and scale never before possible. Truvalue Labs is the first data and analytics provider to integrate the Sustainability Accounting Standards Board's (SASB's) market-leading materiality standards.
TurboTrader	TurboTrader provides essential tool for live trading, designed specifically to assist with identifying early trading opportunities on the Australian Securities Exchange (ASX). TurboTrader continually scans live market action and presents it without any refreshing. All information is dynamically displayed in your favourite web browser, showing the action as it happens in an easy to understand format.
Twilio	Twilio is a cloud communications platform for building messaging, voice & video in the web and mobile applications.

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
Uptake	Uptake's predictive platform enables major industries to improve uptime, streamline operations and spot growth opportunities. Uptake leverages its strategic partners' expertise to develop products that solve industry pain points and enable new data-driven business models and revenue sources.
Woodseer	Woodseer is an advanced algorithmic system developed by London-based technology business Investment Tools Limited in partnership with Exchange Data International. Their tech-driven approach, supported by their experienced analysts, gives them huge coverage (over 3x greater than alternatives) matched with high levels of accuracy. Woodseer work from a huge database of corporate actions and they supplement and enhance this with input from their internal Limeburner product, applying natural language processing (NLP) to read and interpret declarations from financial reports and press releases.
Yhat	Yhat (pronounced Y-hat) provides an end-to-end data science platform for developing, deploying, and managing real-time decision APIs. With Yhat, data scientists can transform static insights into production-ready decision making APIs that integrate seamlessly with any customer- or employee-facing app. Yhat also created Rodeo, an open source IDE for Python.
Yseop	Yseop is an Artificial Intelligence enterprise software company whose natural language generation products automate reasoning, dialog, and writing in multiple languages. It offers Yseop Compose, the self-service enterprise-level language generation technology. It also builds bespoke solutions helping businesses leverage data, automate business processes, and aid in their digital transformation.
Zuora	Zuora is an end-to-end subscription management platform with the capabilities and insights you need to grow a healthy subscription business and create customers for life. Zuora's applications are designed to automate billing, commerce, and finance operations.

Technology Consulting Firms

Company Name	Company Description
Alt Hub	AltHub provide technological expertise to test and generate alpha for your investment strategy. It serve as a link between multiple alternative data vendors and investors according to requirements.
Apica	Apicas performance testing and monitoring solutions provide critical peak performance data and 24/7 monitoring of applications and sites around the world.
APIs.io	APIs.io is an experimental API Search engine which uses the APIs.json format to find and list APIs. The search engine is maintained by 3scale and supported by 3scale, APIEvangelist and APItools.com.
Axway	Axway provides multi-enterprise cloud integration and API and identity management software.
Capital Cube	CapitalCube provides financial research and content for investors, information providers, finance portals and media. Their automatically generated narratives and predictive analytics empower investment decisions based on in-depth analysis of a company's peer performance, earnings quality, and dividend strength.
ClearStory Data	ClearStory Data speeds data blending from multiple disparate sources, intelligently combining them into holistic insights, and delivering interactive business insights.
DeepQuest AI	Deepquest helps businesses, individuals and research teams across the world to easily integrate and deploy state of art Artificial Intelligence solutions.
Dion Global	Dion Global Solutions provides market leading software and services to financial markets in Asia Pacific and United Kingdom. Our solutions benefit stockbrokers, institutional fund managers, private client wealth managers and investment banks.
Equity Data Science	Equity Data Science (EDS) is a quantitative platform for professional investors, which includes investment analytics, portfolio management, and risk modeling. EDS saves time, is easy-to-use, affordable, and helps investors generate better performance.
IRESS Market Technology	IRESS is a software development company that designs, develops, markets and supports share market information and trading systems and financial planning systems. IRESS has a comprehensive suite of subscription-based products designed to meet the needs of equity traders and financial planners in Australia and New Zealand.
Lexalytics	Lexalytics process billions of unstructured documents every day, globally. Translate text into profitable decisions; make state-of-the-art cloud and on-premise text and sentiment analysis technologies that transform customers' thoughts and conversations into actionable insights. The on premise Salience® and SaaS Semantria® platforms are implemented in a variety of industries for social media monitoring, reputation management and voice of the customer programs.
M Science	M Science is a data-driven research and analytics firm, uncovering new insights for leading financial institutions and corporations. M Science is revolutionizing research, discovering new data sets and pioneering methodologies to provide actionable intelligence. And

Alternative Data Directory – Vendors by Data Source

Company Name	Company Description
	combine the best of finance, data and technology to create a truly unique value proposition for both financial services firms and top corporations.
minds.ai	minds.ai is a full service Artificial Intelligence design consultancy. They design and build custom neural networks for businesses.
NetLicensing	Labs64 NetLicensing is a first-class solution in the Licensing-as-a-Service (LaaS) sector. Based on open standards, it provides a cost effective, integrated and scalable platform for software vendors and developers who want to concentrate on their product's core functionality instead of spending resources on developing an own license management software.
Psych Signal	Psych Signal provides real time 'Trader Mood', data, analytics and indices for financial institutions & investment professionals seeking an edge. They created a natural language processing engine which interprets social media text in the context of stock prices. Their technology parses millions of online conversations every day in order to quantify the public's mood about specific stocks and other securities.
RailsBank	Railsbank is a banking and compliance platform that connects together a global network of partner banks with companies who want API access to global banking. Railsbank simplifies on-boarding companies to our banking partners, then gives access via the Railsbank API to banking services such as creating digital ledgers, connecting digital ledgers to real bank accounts, issuing IBANs for ledgers, receiving money, sending money, converting money (FX), collecting money (direct debit), issuing cards, and managing credit.
Rigup	Rigup matches contractors with jobs that fit their skills, and connects service providers and operators with qualified workers. They manage paperwork for contractors and supervisors, help with risk management, and maintain vendor contact information.
Ripple	Ripple provides global financial settlement solutions to enable the world to exchange value like it already exchanges information – giving rise to an Internet of Value (IoV). Ripple solutions lower the total cost of settlement by enabling banks to transact directly, instantly and with certainty of settlement. Banks are partnering with Ripple to improve their cross-border payment offerings, and to join the growing, global network of financial institutions and market makers laying the foundation for the Internet of Value.
SimilarWeb	We empower you with the insights you need to win your market. SimilarWeb gives you global multi-device market intelligence to understand, track and grow your digital market share. An all-in-one suite to uncover growth opportunities across all marketing channels and boost user acquisition
Streamdata.io	Streamdata.io is an API management software developer that intended to streamline data with event-driven infrastructure. It provides three sets of software and service: Distribute, Journey, and Discover.
System2	System2 is a quantitative extension of internal investment teams. They help analysts leverage big data to improve model estimates and answer seemingly impossible questions.
TransCore	TransCore has led the industry in delivering innovative products and services to transportation departments and agencies across the globe. They provide engineering solutions for safer, more reliable travel on roads, bridges, tunnels, and highways. Their focus has been solely on transportation. In 1939, they provided radio communications for the country's first toll road in Pennsylvania. They are developing the nation's largest express lanes, creating smarter traffic systems, and managing highly anticipated vehicle-to-vehicle programs.
Tullett Prebon Information	Tullett Prebon Information, part of TP ICAP group, is a leading provider of independent real-time price information from the global OTC financial and commodity markets. Tullett Prebon Information's data is relied upon by customers in over 40 countries. Our independent pricing is unbiased, non-position influenced and backed up by an unrivalled track record in innovation
Ufora	Ufora provides expertise to design and engineer distributed systems infrastructure that allows data science to scale. The platform acts as a dynamic code optimizer, figuring out how to parallelize operations as they happen. They have made their kit open source and it is really great for everyone, as technology will likely find its way into all sorts of places.
Vertical Knowledge	Provides consulting service to the buy side focused primarily on web data and public data sources.



ALTERNATIVE DATA CASE STUDIES FROM VENDORS

In this section we present case studies from vendors to overview specific use cases of data sets with some preliminary results.

Note: J.P. Morgan has not vetted these case studies for correctness or substantiated any of the claims.

Case Study 1 – News Sentiment, RavenPack

News Sentiment Everywhere - Trading Global Equities

In one of recent studies by RavenPack, they demonstrated how to use sentiment data in an investment strategy. To achieve this, they designed country level long/short equity strategies focusing on large and mid-cap stocks.

News sentiment is everywhere and asset managers can extract value from it by using NLP and text analysis techniques.

In addition, more and more managers are expanding their mandate, trading global portfolios, to ensure more scalable strategies.

They are using country-level long/short equity strategies, focusing on large- and mid-caps.

- Returns are positive in 41 out of 49 countries, with Information Ratios (IRs) greater than 1.0 in one out of three countries tested
- When combining their strategy into regional portfolios, the added diversification helps to achieve Information Ratios of 3.0 or higher in 3 out of 5 regions, including North America, Europe, and Asia Pacific
- They ensure maximum diversification by combining their strategies into a global portfolio, with Information Ratios as high as 4.8 for 1 day holding period, and 2.6 for a 1-week horizon

Figure 7: News sentiment everywhere: performance stats by holding period

Holding Period (Days)	Annualized Returns	Information Ratio	Portfolio Size
1	19.25%	4.76	391
2	11.49%	3.86	664
3	8.51%	3.30	885
4	7.25%	3.00	1,071
5	5.93%	2.61	1,230
10	2.80%	1.42	1,781
15	1.93%	1.04	2,111
21	1.39%	0.80	2,362

Note: Performance statistics on a large- and mid-cap, dollar-neutral, global equity strategy (49 countries). Covering the period from January 2007 through May 2018.

Source: RavenPack

Reproduced with permission from RavenPack, originally published at www.ravenpack.com on 9 July 2018. The full white paper can be accessed from:
<https://www.ravenpack.com/research/news-sentiment-everywhere/?rid=aihd>

Case Study 2 – Social Media, Eagle Alpha

Fundamental Analysis with Social Media and Web Data – a Review of 2018

Key Takeaway

Online and social media content can be used to analyse consumer trends and sentiment. This data can be used to examine fundamental issues that may impact consumer attitudes to a company or brand.

Dataset

Web Queries is a tool to monitor unstructured text from 90m web sources including blogs, forums, news sites and social media. Output is in a structured format and is used to analyse potential changes in consumer trends and sentiment. For all use cases it is recommended to take a longer-term view of the output. Conclusions should not be used as a call on a company's short-term quarterly results.

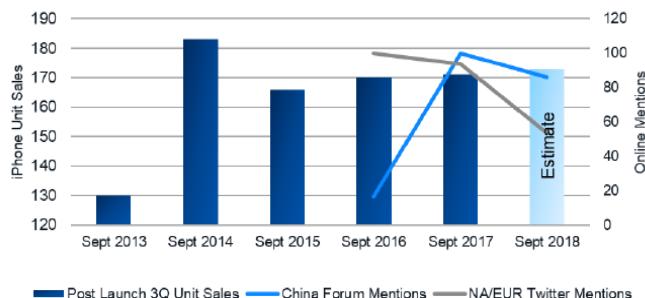
Case Study

In this case study we examine three distinct use cases for online and social media data: 1) New product launch 2) Competitive analysis between two brands and 3) Analysis of an individual company or brand positioning.

Analysing new product launches – Apple and Samsung

In the first use case, Web Queries was used around the release of new handsets from both Samsung and Apple in 2018.

Figure 8: Apple online and social media data at the iphone launch in 2018



Source: Eagle Alpha, Web Queries, FactSet

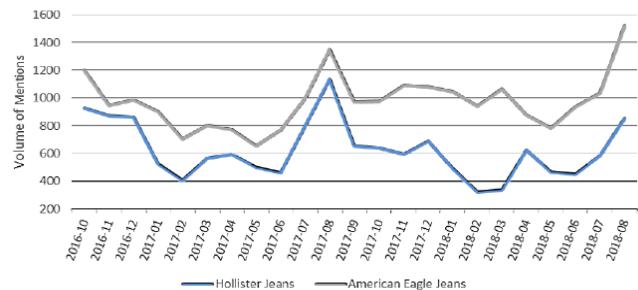
In both instances data gathered online and from social media platforms showed poor consumer acceptance of the new phone launches. Over time the data proved to be accurate. Samsung reported poor Galaxy S9 sales and Apple also reported weak sales of the iPhone series that was launched in September 2018. Figure 1 shows North America and Europe Twitter mentions, and also China blogs & forum mentions, over the 2016, 2017 and 2018 iPhone cycles. Lower mentions in 2018 compared to 2017 was an early indication that consumers were less than enthusiastic about the new iPhone offerings.

Competitive analysis – Abercrombie & Fitch vs. American Eagle

Another use case is to analyse content to compare two brands or products. We performed an analysis of content from news sites, blogs, forums and social media for Abercrombie and Hollister brands, for parent Abercrombie & Fitch (ANF), and American Eagle Outfitters (AEO). The data revealed similar trends for ANF and AEO across most product offerings. In the key jeans' category, the data showed (Fig 2) that

American Eagle was performing better than Hollister. During the next reporting period both companies performed well fundamentally. However, American Eagle stated that "jeans continue to set record volumes" and the company had the "best ever sales in both men's and women's bottoms" in the quarter.

Figure 9: ANF and AEO: comparing consumer mentions of jeans

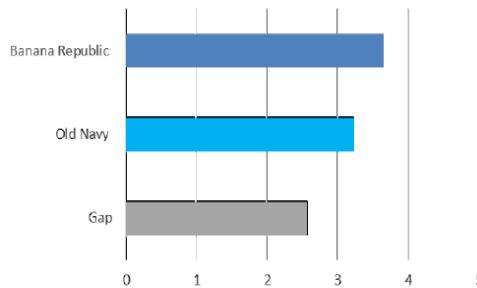


Source: Eagle Alpha, Web Queries

Brand Sentiment – The Gap Inc.

In July of 2018 we performed analysis on The Gap Inc. At the time the company was struggling with the Gap brand. As can be seen in figure 3, sentiment for the Gap brand is the lowest of the three Gap Inc. brands, but on a scale of -5 to +5 sentiment overall was quite positive. The analysis also revealed that sentiment for Gap had been stable over the course of 2017 and 2018. Product missteps and inventory issues at Gap did not appear to be impacting consumer sentiment of the brand. We viewed this as a positive as long as the company resolved its internal execution issues. The sentiment indicator is longer term in nature but on the FYQ3 conference call management did note that; "we expect an improvement from Q3 trends in both comp and margin and the early reads of our Q4 product flows are encouraging".

Figure 10: Consumer sentiment for Gap Inc. brands



Source: Eagle Alpha, Web Queries

The Web Queries tool can be a powerful way for analysts and investors to supplement research efforts to monitor consumer trends and sentiment. The analysis can be applied across several consumer use cases, it is longer term in nature and is well suited to fundamental research applications. The cases detailed above are good examples where analysts and portfolio managers could get an early read on company fundamentals or brand health.

Reproduced with permission from Eagle Alpha.

Case Study 3 – Crowdsourced Forecasts, ExtractAlpha

Crowdsourced Forecasts from Estimize – Some Observations

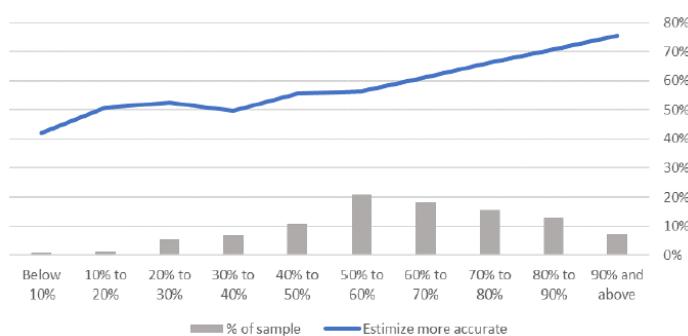
Introduction

ExtractAlpha's partner firm Estimize has been collecting crowdsourced earnings estimates since 2011. The incremental accuracy of these earnings estimates compared to sell side consensus estimates in databases such as I/B/E/S is well documented, as shown in the list of Further Reading at the end of this research note. Here we present a handful of new findings which should allow users of Estimize data to find more value in this unique source of intelligence.

Community Accuracy Persists

First, we observe that the ability of the Estimize community to more accurately predict earnings relative to Wall Street is not the same across all stocks. Earlier findings have shown that the crowdsourced community is more accurate for stocks with higher coverage in Estimize. We can further explicitly look at whether past accuracy in the community is predictive of future accuracy. Here, we partition the set of all earnings events with at least four prior quarters into nine groupings, based on the percentage of prior quarters in which Estimize was more accurate than Wall Street.

Figure 11: Estimize accuracy as a function of prior accuracy on that stock



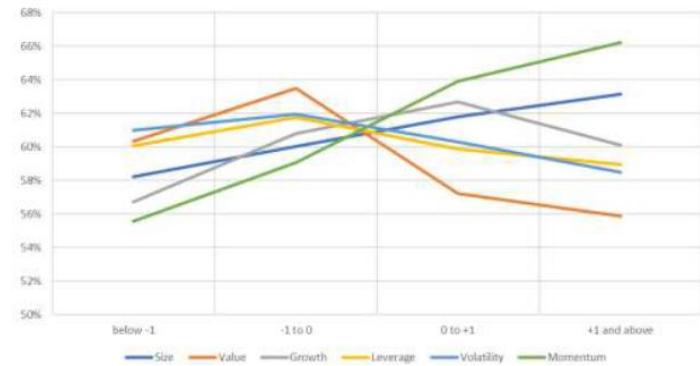
Source: ExtractAlpha

Here we see that the higher the *prior* accuracy for that stock, the higher the accuracy *this* quarter. Indeed for the 7% of stocks where Estimize has previously been more correct than Wall Street 90% of the time or more, the community beats Wall Street 76% of the time. This group includes large cap names such as Atlassian (TEAM), S&P Global (SPGI), and Arista (ANET) where Estimize has been more accurate than Wall Street 100% of the time, as of the time of writing. Therefore, prior accuracy can be a good indicator of future accuracy at the community and stock level.

We can also partition by risk factors. If we bucket stocks by their risk exposure using ExtractAlpha's risk model (where risk exposures are calibrated to be mean zero, standard deviation 1 across liquid names), and then plot the percentage of the time Estimize is more accurate than the street, we see that the community tends to be somewhat more

accurate for larger and higher-momentum names, and slightly less accurate for Value names than for Growth names.

Figure 12: % more accurate by risk factor Z score



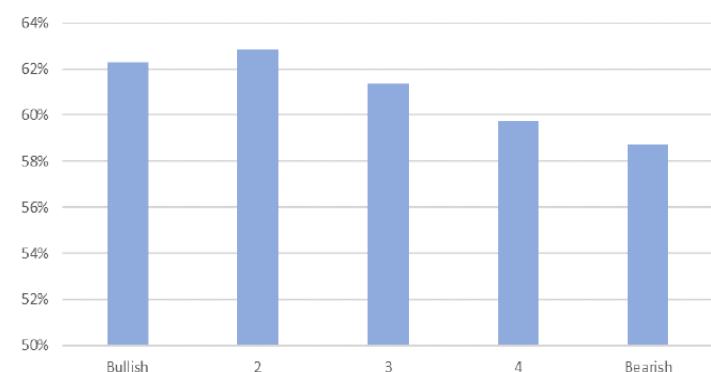
Source: ExtractAlpha

The more-accurate grouping is slightly larger and higher-momentum, but the differences are small.

Analyst Sentiment

We next look at whether the sell side is bearish or bullish on the stock. Although sell side ratings tend to be tilted towards Buy and away from Sell, we can rank each stock each quarter by the average analyst forecast on a one to five numerical scale to get a relative bullishness or bearishness measure, and look at quintiles from most-bullish to most-bearish. Although the trend is not massive, it is apparent that Estimize is especially accurate relative to Wall Street in cases where Wall Street is more optimistic. This lends credence to the idea that the Estimize data is free of institutional biases, and that the presence of these biases may influence the ability of sell side analysts to make sufficiently accurate earnings forecasts.

Figure 13: % of time Estimize more accurate as a function of sell side sentiment



Source: ExtractAlpha

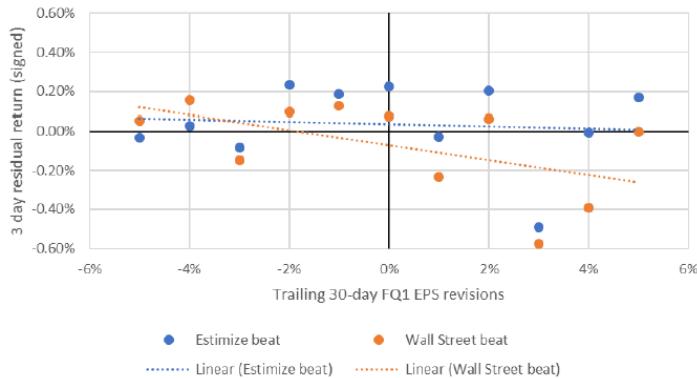
Case Study 3 – Crowdsourced Forecasts, ExtractAlpha (Cont'd)

We can also look at changes in analyst sentiment leading up to the report date to see how the market's response to earnings events differs based on bullishness and bearishness. Because Buy and Sell recommendations don't change very frequently, we look at changes in the consensus FQ1 EPS estimate from the sell side over the 30 days prior to the report.

Here we can compare the market's response to an "Estimize surprise" (where actual earnings comes in above the Estimize consensus) versus a traditional "Wall Street surprise" (where actual earnings comes in above the Wall Street consensus). Prior work has shown that Estimize Surprises are followed by a larger and more sustained market response. On average, the 3-day cumulative residual return following an Estimize surprise is 14 basis points, versus 4 basis points for a Wall Street surprise. Note that we are "signing" the returns here based on the direction of the surprise, so that we always prefer positive numbers (a positive residual return after a positive surprise and a negative residual return after a negative surprise both result in positive numbers). We are also computing residual returns to control for the stock's risk exposures using ExtractAlpha's risk model.

The response for Wall Street surprises varies substantially depending on whether analysts have increased or decreased their estimates leading up to the earnings event, as shown in the figure below. For stocks where expectations have decreased in the last 30 days (the left side of the chart), the earnings responses are modestly positive (orange dots), whereas if expectations have increased then the earnings responses are quite negative on average, indicating that when Wall Street becomes more bullish, the Wall Street surprise is a less representative measure of the market's expectations. Estimize surprises (blue dots), on the other hand, do not exhibit this pattern. The market's real expectations, as measured by the Estimize consensus, are not unduly influenced by adjustments in Wall Street forecasts leading up to earnings.

Figure 14: 3 day residual return after announcement, for Estimize and WS surprises as a function of 30-day sell side revisions



Source: ExtractAlpha

The implication here is that the Estimize Surprise is a more compelling metric of market surprise, especially in cases where the sell side is overly optimistic.

Further Reading (Available Upon Request)

Leigh Drogen and Vinesh Jha. "Generating Abnormal Returns Using Crowdsourced Earnings Forecasts from Estimize"

Barbara Bliss, University of San Diego. "On More Accurate Estimates And True Market Expectations"

Rick Johnston, Rice University. "The Value of Crowdsourced Earnings Forecasts"

Russell Jame, University of Kentucky. "Does Crowdsourced Research Discipline Research Analysts"

Deutsche Bank Markets Research Team. "The Wisdom of Crowds: Crowdsourcing Earnings Estimates"

Zhi Da and Xing Huang, Michigan State University. "Harnessing the Wisdom of Crowds"

McKinley Capital Management. "Improving Earnings Forecasts with Estimize Crowd Sourced Data"

Amar Patel and Peter Murphy, University of North Carolina. "Pros Vs. Joes: Comparing Professional and Crowdsourced Forecasting of NFP"

Case Study 4 – News Stock Screener, RavenPack

A News Sentiment Stock Screener for Discretionary Traders

In this paper, we introduce a news sentiment stock screener to construct small sized equity portfolios using RavenPack Analytics.

The screener can help discretionary investors narrow down candidates from a larger investable universe. We select companies with a high number of news events and high sentiment polarization, a task that can be achieved using our Sum Excess Sentiment Indicator, SESI [1].

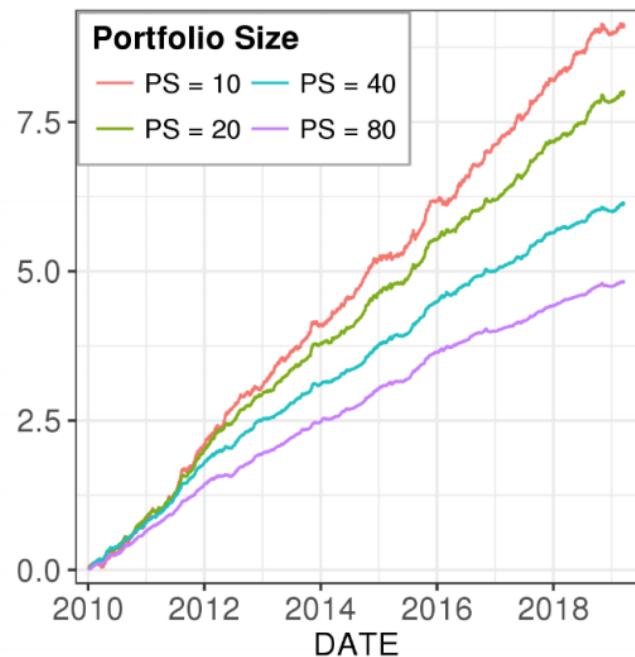
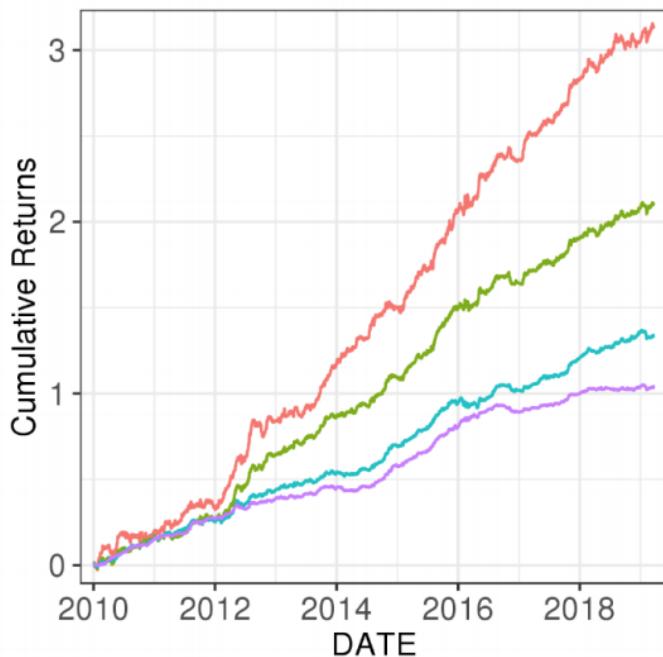
The main conclusions are:

- News Sentiment significantly outperforms price momentum as a stock screener, for which probability distributions clearly

demonstrate a positive shift. This is more than a 4x increase in average performance during the 8+ year backtesting period.

- By creating targeted portfolios, we achieve high annualized returns (up to 80%) with attractive Information Ratios (IRs) of up to 4.0, but also high per-trade-returns (up to 33bps).
- When including a discretionary overlay, manually dropping 2 out of 22 daily trades, annualized returns and Information Ratios are boosted by up to 200%, depending on our skill at removing bad performers.

Figure 15: Cumulative returns for portfolios restricted to extreme sentiment signals (US)



Note: Cumulative Returns of equal-weighted long/short extreme sentiment portfolios of different size (PS) and for several holding periods (HP). Results for Large-cap (left) and Small-cap (right) companies.

Source: RavenPack

Reproduced with permission from RavenPack, originally published at www.ravenpack.com on 23 May 2019. The full white paper can be accessed from:
<https://www.ravenpack.com/research/stock-screener-discretionary-traders/?rpid=aibd>

Case Study 5 – Foot Traffic, Eagle Alpha

Foot Traffic Data to Whole Foods Used to Track Price Reductions

Dataset

The provider transforms real-time locations from mobile phones across the globe into objective and actionable insights on the performance of businesses, markets, and economies.

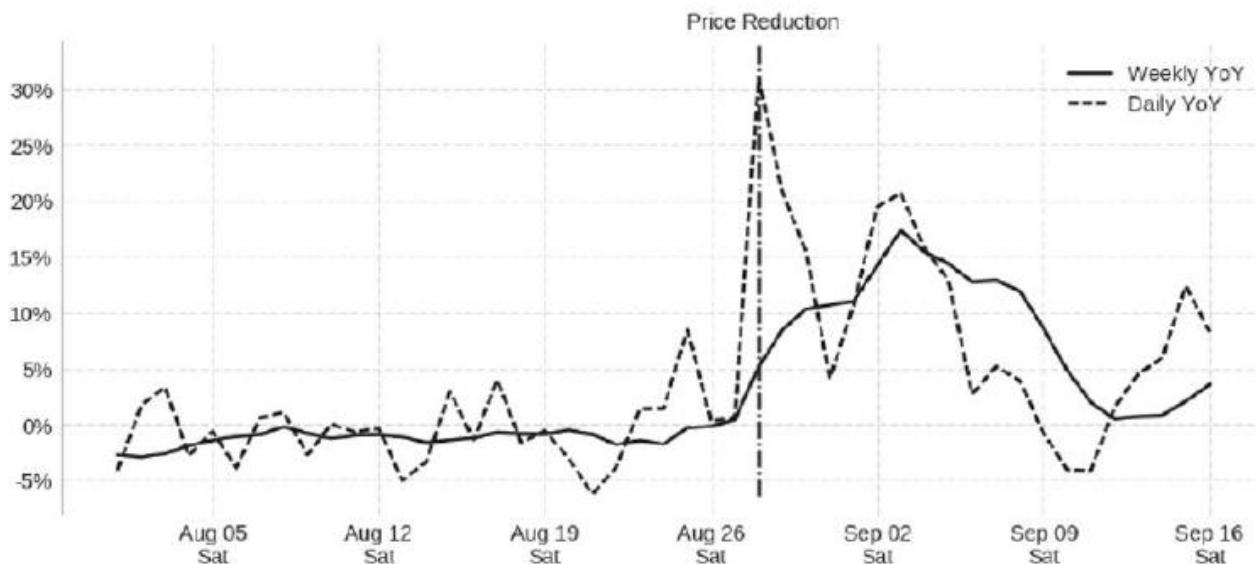
Case Study

Figure 1 below shows the YoY change for daily and weekly rolling windows of foot traffic to Whole Foods. This analysis was performed to

test how customers reacted to the price reduction on August 28th. Also, it was necessary to control for the impact of seasonality and Labor Day weekend.

For the week ending Sunday, September 3, the weekly YoY change in foot traffic to Whole Foods peaked at 17%. On August 28, the daily YoY change in foot traffic peaked at 31%.

Figure 16: YoY change in foot traffic for Whole Foods' customers



Note: The weekly rolling window is defined as a seven-day period of time that increments or rolls forward by adding one new day and simultaneously dropping the oldest day. The rolling window is plotted in terms of the YoY changed relative to the comparable seven-day period in 2016.

Source: Location Data Provider

Reproduced with permission from Eagle Alpha.

Case Study 6 – Innovation Drives Outperformance, ExtractAlpha

The Most Innovative Industries Outperform

Valuing a company's intangibles is a difficult and uncertain task which requires analysis of information beyond standard public financial filings. As a result, companies in innovation-led sectors are particularly hard to value. We document a new application of innovation metrics, namely using innovation intensity to predict the relative returns of industries. We also use a novel dataset from ExtractAlpha which captures innovation from data outside of financial filings, by looking at patent filings and hiring patterns. Using industry aggregates allows us to identify which industries are generally innovating, without requiring us to attach the innovation to a particular company's outcome. For example, small numbers of knowledge workers across many companies in an industry may indicate an innovation trend but may not be as visible for any single company.

A long-only portfolio tilted towards the most innovative industries generates 75 basis points of excess returns per annum, with low turnover among the industries, and with those excess returns being as high as 200bps per annum in the last three years. Innovation-based industry tilts could be implemented at a relatively low cost using ETFs or individual stocks to enhance a long-only or long-short strategy.

To measure innovation, we use ExtractAlpha's ESGEvents Library, which is a database of company-level interactions with a number of different government bodies and regulators. The ESGEvents Library leverages ExtractAlpha's proprietary data collection and name matching algorithm to match company events in these databases to publicly traded securities. For each government data source, company names and event dates are collected. Company names are then matched to FactSet's historical database of security names, using a proprietary fuzzy name-matching algorithm.

We then have the following data points matched to publicly traded securities:

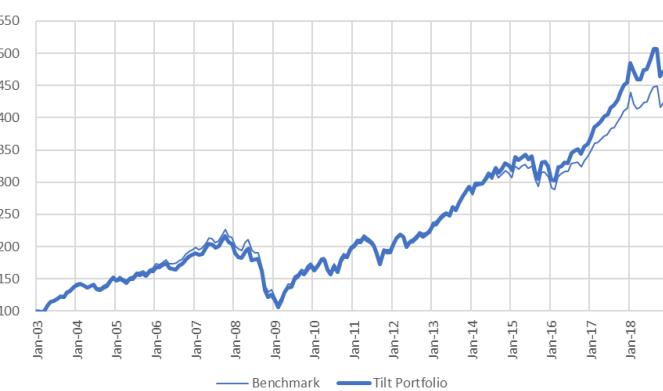
- Department of Labor (DOL): Number of total workers for which the company has applied for H1B and Permanent Visas in the prior year
- U.S. Patent and Trademark Office (USPTO): Number of company patent applications and grants in the prior year

For each of these, we sample monthly and look both at the one-year level and the year-over-year change. Next, for each metric, we take its sum for each industry. We also sum the market caps from the prior month end for every stock in that industry, and then scale the summed metrics by the summed market cap. This gives us eight measures of innovation per unit market cap per industry. We then rank the innovation measures across industries each month to put them on a zero to one scale

Next we create long-only portfolios of industries which are tilted more heavily towards the more innovative industries. We start with a benchmark weight for each industry, simply based on market capitalization. We then linearly adjust this weight so that the lowest-innovation industry in a given month gets zero weight, a median-innovation industry gets its benchmark weight, and the highest-innovation industry gets double its benchmark weight. We then adjust the tilted weights so that they sum to 1.

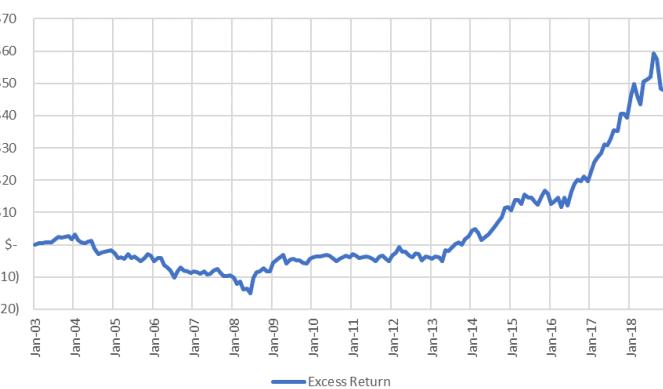
Next, we compare the tilted portfolio to the benchmark portfolio via its annualized excess return and Information Ratio (IR). For this exercise, we ignore transaction costs; a relatively inexpensive version of this monthly rebalanced portfolio could be constructed using low-fee ETFs. We find strong returns for six of the eight metrics in our in sample period (2003-2015). We also create a composite Innovation Score by simply averaging the ranked scores across these six factors, and then test out of sample.

Figure 17: Growth of \$100



Source: ExtractAlpha

Figure 18: Growth of \$100 - excess



Source: ExtractAlpha

Case Study 6 – Innovation Drives Outperformance, ExtractAlpha (Cont'd)

Figure 19: Excess Return and Information Ratio

		In Sample (2003-2015)		Out of sample (2016-2018)		Full sample (2003-2018)	
Factor		Information		Information		Information	
		Excess Return	Ratio	Excess Return	Ratio	Excess Return	Ratio
Level	H1B visa	0.45%	0.17	1.86%	0.66	0.71%	0.27
	Permanent visa	0.39%	0.14	2.12%	0.76	0.72%	0.26
	Patent application	0.46%	0.28	1.32%	0.68	0.62%	0.36
	Patent grant	0.53%	0.30	1.17%	0.60	0.65%	0.37
YoY change	H1B visa	0.29%	0.20	0.89%	0.41	0.40%	0.25
	Permanent visa	-0.78%	(0.47)	0.25%	0.15	-0.58%	(0.35)
	Patent application	-0.02%	(0.02)	1.49%	1.02	0.26%	0.19
	Patent grant	0.61%	0.50	1.21%	1.22	0.73%	0.61
Composite Innovation score		0.47%	0.21	2.00%	0.87	0.75%	0.34

Source: ExtractAlpha

Here we can see that our results hold up out of sample, and that innovative industries have outperformed significantly since 2013, though prior to about 2009 there was little difference between more- and less-innovative industries.

It appears that innovation measures can be used in a novel way to select industries which are likely to outperform. None of these factors exhibit

significant ability to differentiate between outperforming and underperforming stocks within an industry. But aggregating them to the industry level and applying industry tilts seems to be a useful and cost-efficient way to systematically incorporate innovation metrics into portfolios.

Case Study 7 – Internal Digital Content, RavenPack

Capturing Alpha from Internal Digital Content

Your internal content is turned into Alpha with RavenPack Text Analytics. In particular, we found that:

In this real-world case study, we use RavenPack's AI platform and NLP engine to dig into internal digital content of a discretionary hedge fund manager to generate differentiated investment insights and trading signals from emails and instant messages.

Each organisation owns and accumulates massive amounts of digital content, which largely remains under analysed and untapped. By systematically extracting, structuring and enriching the fund's own content in real time, we demonstrate that there is incremental alpha to be captured internally, as opposed to using public content alone.

- Approximately 80% of identified stock-related events were detected in the firm's internal content, while 20% originated from public news and social media
- Positive sentiment signals derived from internal content provide strong long-only signals for up to several weeks, while value from public news decays faster
- Factor risk analysis of sentiment portfolios shows stable P&L coming from idiosyncratic stock price moves, demonstrating persistent alpha generation from a traditional factor model perspective (as shown in the plot below)

Figure 20: Factor performance breakdown of a \$100M AUM long-only portfolio



Source: RavenPack

Reproduced with permission from RavenPack, originally published at www.ravenpack.com on 23 May 2019. The full white paper can be accessed from:
<https://www.ravenpack.com/research/alpha-internal-content/?rpid=aihd>

Case Study 8 – Trade Credit, Eagle Alpha

Alpha Observed in Trade Credit Data

Key Takeaways

An analysis of a trade credit dataset shows significant informational value (alpha). Various metrics correlated well with stock price performance as trade credit balances appear to provide signals of business conditions.

Dataset

This trade credit dataset includes the monthly records of accounts receivables for firms selling to publicly traded companies in the U.S.. In addition to absolute dollar amounts, it

- includes data on the amount of trade credit that is past due;
- provides scores that reflect the click patterns of the users researching each company in the database;
- provides a proprietary credit score that reflects the possibility of bankruptcy in the next twelve months.

The data is insightful as trade credit makes up roughly a quarter of corporate financing and suppliers are considered to have insight into a company's business strength. Failure to pay a supplier is a warning sign for corporate health because when a firm delays supplier payment, it risks not being able to transact with that party in the future.

Case Studies

Study #1

In the first case study, Professors Yifan Li, Ben Lourie and Thomas Ruchti examined correlations between 1) the amount of trade credit a company takes on relative to its assets and 2) the amount of trade credit past due, and 3) stock price performance. They found that companies with large amounts of trade credit and those that pay back their credit balances on time tend to have stock outperformance in the near term.

To carry out the study, more than 5,700 publicly traded companies with trade credit balances were examined over the 2001-2017 time period. Monthly, the companies were split into quintiles based on their amount of trade credit relative to their assets. They were also split into terciles based on the proportion of trade credit past due (high, medium, low). The subsequent one-month stock price performance was observed for each company.

- Results show that a portfolio that purchased companies in the top quintile of trade credit to total assets, and shorted those in the bottom quintile ranking, outperformed relevant market indices by about 6-7% on an annualized basis (significant at 1% level, assuming monthly rebalancing).
- A portfolio that purchased companies with relatively larger trade credit balances and a lower proportion of past due credits, while

selling companies with relatively larger trade credit balances and a higher proportion of past due credits, outperformed the market indices marginally better, roughly 6.2-7.3% annually (significant at 1% level, assuming monthly rebalancing).

- For companies with relatively low trade credit balances as a percentage of assets, timeliness of payments was a not a statistically significant factor in their stock's price performance.
- A portfolio which purchased companies with low levels of past due credits and sold those with high levels, outperformed the market by roughly 3-4%.
- The results of these studies held up when repeated with the 2007-2009 financial crisis period excluded.

The researchers' study of this dataset is ongoing. They are finding that the results are much more robust when looking at the percentage past due of the major suppliers and the change in total trade credit of the major suppliers. The results of this study are expected to be published in an academic journal in the near future.

Study #2

A separate analysis conducted by Prof. Lourie examined the correlation between 1) proprietary click pattern scores, 2) proprietary credit scores, and 3) stock price returns. The monthly click pattern score takes into account the number of dataset queries about a company, and the depth of research about that company, by the users/contributors of this dataset (suppliers of trade credit).

Similar to the previous study above, a large group of publicly traded companies was selected and divided into quintiles based on their percentage change in monthly click pattern score. Within each quintile, companies were categorized by their credit score; high, medium, low. It may seem counterintuitive that the best performing stocks were those of companies with increased click pattern scores and the lowest credit scores. However, increased querying and research is a sign of interest in extending credit rather than concern about credit quality.

A portfolio which purchased stocks of low credit scoring companies with strong growth in their click pattern score and shorted low credit scoring stocks with low click pattern score growth, would have substantially outperformed the relevant market indices by roughly 12% annually (significant at the 1% level). The return is achieved by monthly resorting and rebalancing of the portfolio. The poorest performing stocks were those of companies with low credit quality and low growth in click pattern scores.

Case Study 9 – Predicting Fundamentals, ExtractAlpha

Predicting Fundamentals with Digital Data

Financial prediction models are often more robust when they are predicated on predicting fundamentals rather than returns. In some sense fundamentals are easier to predict than returns, as they are not as affected by day to day fluctuations in investor sentiment; and predictable patterns in fundamentals – for example, using past cash flows and accruals to predict future earnings – tend to exhibit higher explanatory power than do patterns in returns over similar horizons. A correlation of 0.5 between prior quarter and next quarter fundamental variables is not unheard of in academic literature, whereas anyone discovering such a high correlation to next quarter returns would probably not be in the business of publishing the result!

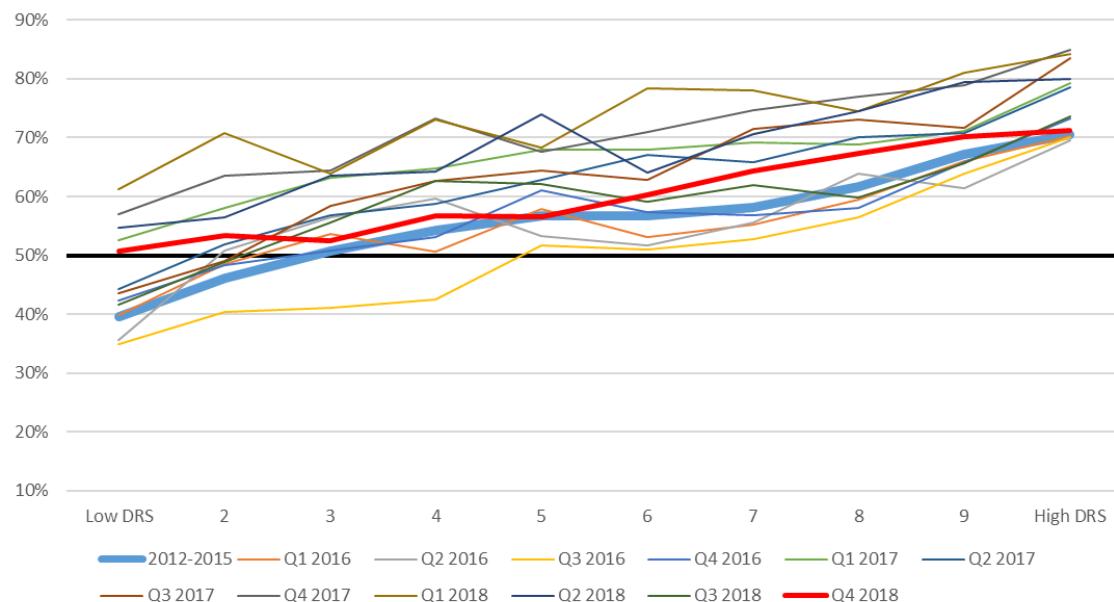
The use of several new and emerging data sets is predicated on the idea that they can supply more accurate predictions of revenues and revenue growth because they provide a more timely or comprehensive or complementary view on consumer behavior and transactions. The Digital Revenue Signal (DRS) is an alternative data-driven signal designed to be a daily predictor of the likelihood of a stock to experience a revenue surprise based on measures of consumer attention and demand. Specifically, DRS uses measures of online consumer engagement through a combination of Web search (are consumers searching for a company's brands and products?), Web traffic (are consumers visiting a company's various websites?), and Social engagement (are consumers interacting with the company on social

media?). The idea is that increased engagement is often a leading indicator of intent to purchase, and therefore of company revenues; and to the extent that Wall Street does not incorporate this information in an efficient manner, these data sets can accurately predict revenue surprises. DRS currently scores 2,000 U.S. equities each day.

DRS incorporates multiple types of digital performance measures, from multiple commercially and publicly available data sources. The signal uses digital identities for over 2000 companies and all their brands by building, maintaining and updating a proprietary bureau of companies and brands. Entity definitions for a company and brand need to be updated continuously, and cannot be bought off the shelf. Raw digital data is then cleaned and aggregated into time series associated with each digital entity, which is then mapped to a ticker.

The Digital Revenue Signal correctly predicts both the likelihood of a revenue beat and the magnitude of revenue surprises. The bottom 10% of stocks as ranked by the Digital Revenue Signal beat consensus revenue estimates only 40% of the time, whereas the top 10% beat consensus estimates 70% of the time, with the likelihoods being monotonic for the intervening bins in our initial sample period of 2012-2015 (the thick blue line in the chart below) and with the trend being very consistent in every quarter of live data since (the other lines, which all slope up and to the right). This provides compelling evidence that the fundamental story behind DRS is sound.

Figure 21: % Revenue beat by DRS decile



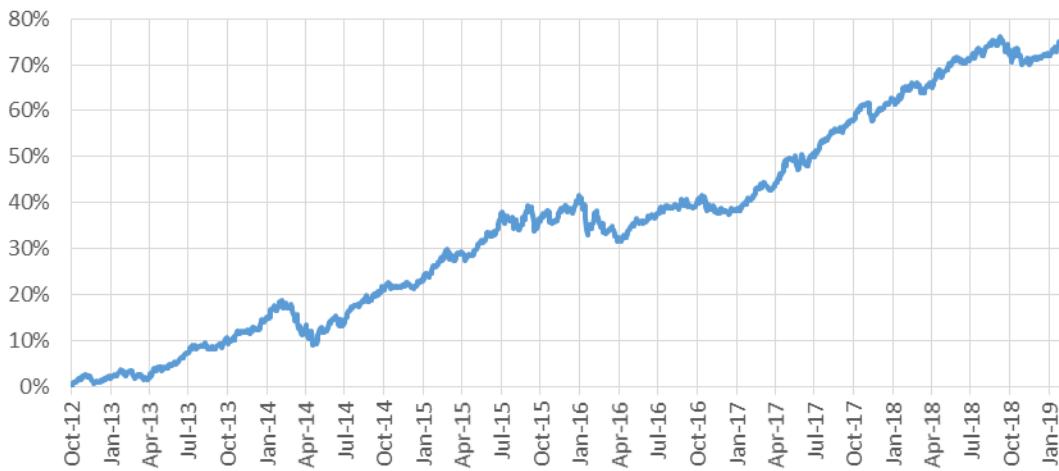
Source: ExtractAlpha

Case Study 9 – Predicting Fundamentals, ExtractAlpha (Cont'd)

The next natural question is whether this consistent fundamental prediction can also be used to forecast returns. In the below chart, we show the returns from 2012 to early 2019 of a dollar-neutral portfolio built

by going long the top-rated DRS stocks and short the bottom-rated DRS stocks.

Figure 22: Cumulative gross dollar neutral returns – Digital Revenue Signal



Source: ExtractAlpha

This return curve indicates that in most market conditions, accurate fundamental predictions can lead to outperformance. The exceptions are times – such as calendar year 2016 – when even a perfect prediction

of fundamentals would not have helped. These results demonstrate why institutional investors are increasingly turning to alternative data to improve their fundamental forecasts.

APPENDICES - J.P. MORGAN ALTERNATIVE DATA SURVEY

Appendix 1 – List of Survey Questions

List of Survey Questions

Vendor Details

1. Company Name – what is the full name of your company (max 100 chars)?
2. Where is the company headquartered?
3. How long has your company been incorporated (in years)?
4. How many buy side or capital market clients do you have?
 - < 5
 - 5 to 20
 - 21 to 100
 - 100+

Product Details

5. Product Name – what is the name (or product code) of this data set (max 50 chars)?
6. Please describe this data set (max 500 chars).
7. What is an example use case you have for this data (max 500 chars)?
8. What is the frequency of the data recorded?
 - Tick
 - Second
 - Minute
 - Hourly
 - Daily
 - Weekly
 - Monthly
 - Quarterly
 - Yearly
 - Real Time
 - Adhoc (please specify, max 50 chars)
9. What asset class is the data set best applicable to?
 - a. Equities
 - b. Fixed Income/Bonds
 - c. FX
 - d. Commodities
 - e. Real Estate
 - f. Macro-Economic
 - g. Consumer Credit
 - h. SME Credit
 - Other (please specify, max 50 chars)
10. If equities or bonds, what sector is the data relevant to?
 - a. Consumer Discretionary
 - b. Consumer Staples
 - c. Energy

- d. Financials
- e. Health Care
- f. Industrials
- g. Information Technology
- h. Materials
- i. Real Estate
- j. Telecoms
- k. Utilities
- l. ALL
- Other (please specify, max 50 chars)

11. In the asset scope covered by your data, approximately how much of all assets would you have data on average (i.e. for a stock universe what % of stocks might be covered)?
 - 0-25%
 - 25-50%
 - 50-75%
 - 75-100%
 - 100%
12. When does this particular dataset start (enter answer in MM/DD/YYYY format)?
13. What delivery mechanisms are available?
 - a. Dedicated data-feed
 - b. API access
 - c. Email
 - d. Online visualization/reports
 - e. 3rd party distribution channels
 - Other (please specify, max 50 chars)
14. What data formats and transfer protocols are available? (CSV, JSON, XML, TXT, HTML, Streaming etc.)
15. What are the regions of coverage?
 - Asia
 - US
 - Europe
 - Japan
 - Global
 - Other (please specify, max 50 chars)
16. How would you best describe the category of this data according to the taxonomy below:
 - Individuals (Social Media/News and Reviews/Web Searches, Personal Data)
 - Business Process (Transaction Data/Corporate Data/Government Agencies Data)
 - Sensors (Satellites/Geolocation/Other Sensors)
 - Other (please specify, max 50 chars)
17. What best describes the source of the data?

Appendix 1 – List of Survey Questions (Cont'd)

- Web scraping
- Event detection
- News
- Sentiment
- ESG
- Ratings
- Geo-location
- Social Media
- Macro
- Business Transactions
- Expert knowledge
- Other (please specify, max 50 chars)

18. What size below best approximates your dataset?

- 1MB
- 10MBs
- 100MBs
- 1GB
- 10GBs
- 100GBs
- Other (please specify, max 50 chars)

19. If the data is for equities, what stock identifiers are available?

- a. Bloomberg Ticker
- b. CUSIP
- c. ISIN
- d. SEDOL
- e. FIGI
- f. RIC
- g. Company Name
- Other (please specify, max 50 chars)

20. What is the intended audience for the data?

- Data Scientist
- Engineer
- Quant Analyst
- Research
- Portfolio Manager
- Trader
- Corporate
- Other (please specify, max 50 chars)

21. Do you have a free trial of any sort available?

- Yes
- No

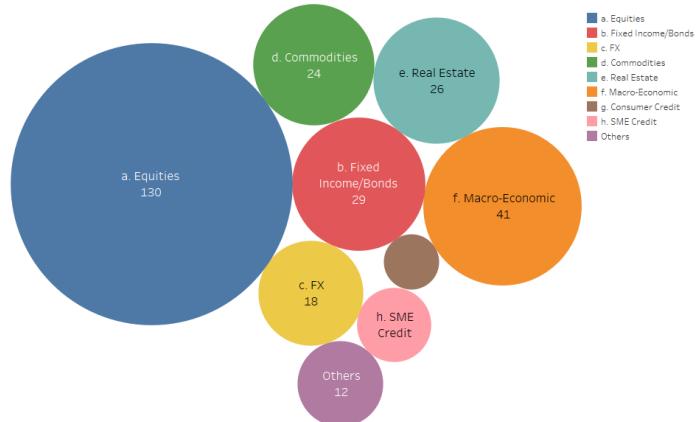
22. Is there a link to a white paper, product description URL/PDF?

23. What is your contact email for more information?

Appendix 2 – Survey Visualization

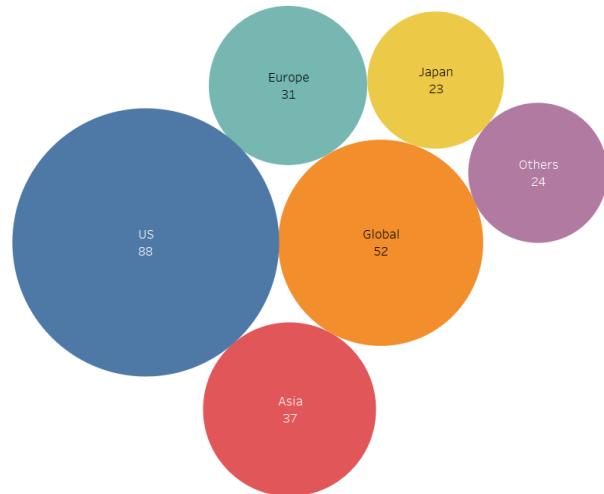
Survey Visualization

Figure 23: Number of products by asset class



Source: JPM QDS

Figure 24: Number of products by region

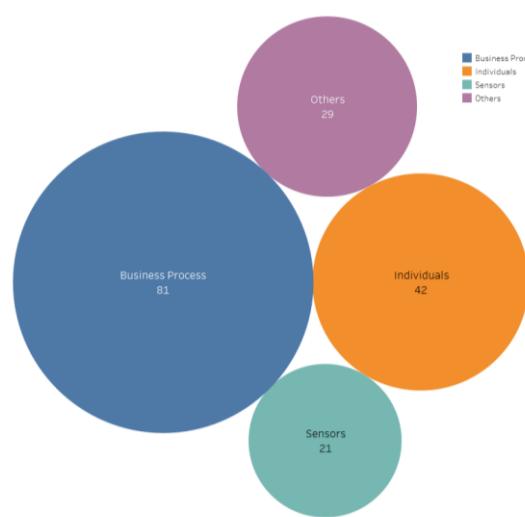


Note: "Others": Australia, Middle East, Africa, Latin America, China, etc.

Source: JPM QDS

Figure 25: Number of products by category

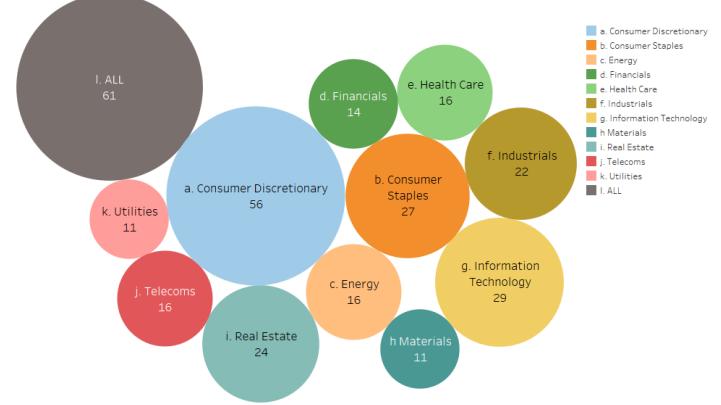
Figure 25: Number of products by category



Note: "Others": Corporate events, market and fundamental data, etc.

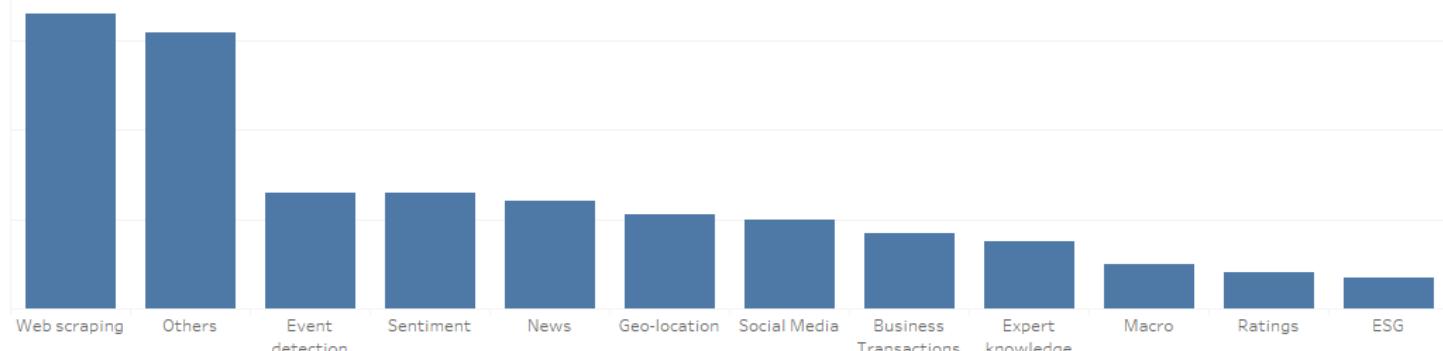
Source: JPM QDS

Figure 26: Number of Equity products by sector



Source: JPM QDS

Figure 27: Number of products by source



Source: JPM QDS

Appendix 3 – Survey Participants – Vendors

Survey Participants – Vendors

Company Name	HQ Location	Years of Incorporation	Buy Side/Capital Market Clients
Advan Research Corporation, LLC	New York	4	21 to 100
Alexandria Investment Research and Technology	Los Angeles	8	21 to 100
AlgoDynamix Ltd.	London	5	5 to 20
AllTheRooms	New York	5	< 5
Alpha Hat	New York	4	5 to 20
AlphaLetters	Connecticut	13	21 to 100
Alt&A Advisory	Japan	2	< 5
Amass	New York	1	21 to 100
Audit Analytics	Sutton	19	5 to 20
AYLIEN Limited	Dublin	7	5 to 20
Big Byte Insights, Ltd	Dubai	2	5 to 20
big xyt	Frankfurt	5	100+
Bitvore	Irvine	7	21 to 100
BizQualify LLC	Newport Beach	6	5 to 20
BMLL Technologies Limited	London	4	5 to 20
Borrell Associates	Williamsburg	18	< 5
Comlinkdata	Boston	9	5 to 20
DataPulse LLC	Chicago	4	< 5
DataYes Inc.	Shanghai	6	100+
Eagle Alpha	Dublin, Ireland	7	
Edison Software	San Jose	8	5 to 20
Equity Data Science	US	2	5 to 20
Estimize, Inc.	New York	8	21 to 100
ExtractAlpha	Hong Kong	6	21 to 100
Factual	Los Angeles	10	< 5
FIRST TO INVEST LTD	Israel	2	5 to 20
Granular.ai	Cambridge	2	< 5
Gyana	London	3	5 to 20
ICEYE	Helsinki	5	< 5
IHS Markit	London	16	100+
Informa Financial Intelligence	Boston	24	100+
Insight Data Solutions	Sydney	6	5 to 20
Interconnect Analytics, Inc	Salt Lake City	6	5 to 20
IPqwery Inc.	Montreal, Quebec	3	< 5

Appendix 3 – Survey Participants – Vendors

Company Name	HQ Location	Years of Incorporation	Buy Side/Capital Market Clients
Kayros SAS	Paris	4	5 to 20
ListenFirst	New York	7	5 to 20
MariTrace	London	8	< 5
MarketPsych Data	California	8	21 to 100
MedMine LLC	New York	6	5 to 20
NOWCAST, Inc.	Tokyo	4	5 to 20
OpenCorporates	London	8	
PlaceIQ Inc.	New York	9	5 to 20
Platts RigData	New York	30	21 to 100
Prattle Analytics	St. Louis	4	5 to 20
Premise Data Corporation	San Francisco	7	< 5
QuantCube Technology	Paris	6	5 to 20
RavenPack	Marbella	16	100+
Relationship Science	New York	9	100+
RepRisk AG	Zurich	12	21 to 100
RS Metrics	Stamford	9	100+
Sandalwood Advisors Ltd	Hong Kong	4	21 to 100
ScrapeHero	US	5	5 to 20
Second Measure	San Mateo	4	100+
SESAMm	France	5	21 to 100
Social Market Analytics, Inc (SMA)	Chicago	7	21 to 100
Stocksnips Inc	Pittsburgh	3	< 5
SumZero, Inc.	New York	10	100+
System2 LLC	New York	3	5 to 20
Thasos	New York	7	21 to 100
Thinknum, Inc.	New York	4	21 to 100
Tussell	London	5	< 5
Vertical Knowledge	Chagrin Falls	12	21 to 100
Verto Analytics	New York	4	< 5
Wall Street Horizon	Woburn	16	21 to 100
Windward	Tel Aviv	9	21 to 100
Woodseer / Investment Tools Ltd	London	8	5 to 20
YipitData	New York	5	100+
ZestFinance	Los Angeles	9	< 5
Sentifi AG	Zurich	9	5 to 20

Appendix 4 – Survey Participants – Products

Survey Participants - Products

In Alphabetical Order of Company Name

Company	Product	Asset Class	Product Description
Advan Research Corporation, LLC	Foot traffic data and Weather data	Equity, Bond/Fixed Income, Commodity, Real Estate, Macro-Economic, SME Credit	Advan computes foot traffic counts and cross-traffic measurements across 1800 companies (1250 publicly traded) on industrial and consumer facing locations across every sector. The underlying data are smartphone location data, sourced from 250 million devices worldwide; in North America about 40% of the population is in the panel. In addition it computes daily weather metrics on the same companies (Contact: info@advan.us)
Alexandria Investment Research and Technology	Alexandria Contextual Text Analytics	Equity, Bond/Fixed Income, FX, Commodity, Macro-Economic	Analysis of financial text, emulating how a human financial professional would read and interpret the context of the information: who it is about, what the topics are, and how will it impact the asset (positive/neutral/negative) (Contact: info@alexandriatechnology.com)
AlgoDynamix Ltd.	PI-EQ™, RAP-EQ™	Equity, Bond/Fixed Income, FX, Commodity, Macro-Economic	The datasets contains the output Flags of our financial risk forecasting analytics (equity product range), these Flags provide hours or days advance warning of major directional market movements. (Contact: jeremy.sosabowski@algodynamix.com)
AllTheRooms	Alternative Accommodations Market Performance	Equity	Performance metrics for the alternative accommodations market, particularly alternative non-hotel inventory on Airbnb, Homeaway, etc. (Contact: wpearson@alltherooms.com)
Alpha Hat	Alpha Hat	Equity, Real Estate	Geolocation data and research (Contact: research@alphahat.com)
AlphaLetters	AlphaLetters, AlphaData	Equity, Bond/Fixed Income, FX, Commodity	AlphaLetters helps investors build novel and profitable strategies by screening quantitative research by professors, researchers, traders worldwide. (Contact: info@alphaletters.com)
Alt&A Advisory	AI Algo trader	Equity	Trainable algo trader that can learn to use technical analysis to determine appropriate strategies for orders. (Contact: Sales@Ra-ai.com)
Amass	Insights	Equity, Bond/Fixed Income, FX, Commodity, Real Estate, Macro-Economic, Consumer Credit, SME Credit, Private Equity	With access to over 8 million datasets, Ingishts offers data consumers the largest stream of untapped, value-generating datasets pertaining to their unique research objectives. (Contact: mark@amassinsights.com)
Audit Analytics	Audit Analytics Online Platform	Equity	Audit Analytics is an independent research provider focused on public company accounting and governance. Our online platform, written reports, and data feeds are used by investment banks, portfolio managers, and equity analysts for risk modelling, idea generation, portfolio screening, and fundamental analysis. The Audit Analytics data content is composed of structured qualitative, hard-to-get information around accounting, governance, and control related events from over 15,000 public companies in the U.S., Canada, and Europe. (Contact: info@auditanalytics.com)
Audit Analytics	Accounting Quality + Risk Matrix (AQRM)	Equity	The Accounting Quality + Risk Matrix tracks accounting and governance related disclosures and events for listed U.S. equities. Use AQRM to screen your portfolio for risk indicators based on qualitative disclosures. The Matrix will indicate whether any companies in your portfolio have had a one-time adjustment, an unusual change in audit fees, a late filing, or other potential issues, according to three levels of severity- Notable, Significant, and Critical. AQRM is available through the Company Profile pages on AuditAnalytics.com or as a data feed.

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
			(Contact: info@auditanalytics.com)
Audit Analytics	Audit Analytics Data Feeds	Equity	Audit Analytics collects and normalizes public company disclosures sourced from the SEC, SEDAR, and European exchanges. Audit Analytics' data feeds can be used as unique, accounting-related variables in your models. Certain data sets, like our financial restatement database, can be used for testing models that seek to predict a negative outcome or accounting failure. (Contact: info@auditanalytics.com)
Audit Analytics	Accounting Quality Insights	Equity	Accounting Quality Insights is a forensic, fundamentally-oriented research subscription for investors. Accounting matters, estimates, and changes are crucial in understanding the complete financial picture of a company. Accounting Quality Insights, powered by Audit Analytics, provides up to date alerts and reports on companies you care about. Available via Bloomberg, FactSet, Eikon, S&P Global, and Email Alerts. (Contact: info@auditanalytics.com)
AYLIEN Limited	News API	Equity, Commodity, Macro-Economic	Our News API uses machine learning and Natural Language Processing technology to aggregate, analyze and deliver news as an enriched data feed. We currently collect news content in real-time from about 40,000 sources in multiple languages and provide an ever growing flexible and searchable news dataset. (Contact: mike@aylien.com)
Big Byte Insights, Ltd	Self Storage Survey	Equity, Real Estate	Pricing trends for the self storage REITs (Contact: shahzeb@bigbyteinsights.com)
big xyt	Liquidity Cockpit	Equity	Independent liquidity measures for global markets (Contact: sales@big-xyt.com)
Bitvore	Bitvore Precision News	Equity, Bond/Fixed Income	Bitvore's Precision News provides material event detection for public and private companies as well as municipal obligors. Delivered through a comprehensive set of APIs, our datasets are tagged with the entities involved in the event, the material event identified, the geographic location of the event and event sentiment. Bitvore continuously ingests and analyzes nearly 300,000 sources of world news and information including local, trade and national outlets for 297 material events. (Contact: mheberle@bitvore.com)
BizQualify LLC	BQ Employment & Benefits	Equity, Bond/Fixed Income, Macro-Economic	Accurate employee counts and detailed welfare (medical, dental, insurance, etc) and retirement (401k, defined contribution, defined benefit, profit sharing, etc) benefit details for all US public and private companies with at least one employee benefit plan (Contact: info@bizqualify.com)
BizQualify LLC	BQ Credit	Equity, Bond/Fixed Income, Macro-Economic, SME Credit	Assesses the financial health of public or private company using verifiable filings submitted to the IRS and Department of Labor (Contact: info@bizqualify.com)
BizQualify LLC	BQ ESG	Equity, Bond/Fixed Income, Macro-Economic, SME Credit	Assesses the degree of governance a company provides to their employees through their contributions, timeliness of payments, welfare and retirement benefits offered (Contact: info@bizqualify.com)
BMLL Technologies Limited	BMLL Platform	Equity, Bond/Fixed Income, Commodity	BMLL provides access to the deepest granularity of exchange data available. Collected directly from over 50 sources of data (equity exchanges, MTFs, futures and options exchanges, fixed income and FX venues), customers can access every event recorded by the matching engine. For example, every new order, cancellation, change in size, change in price and every execution is recorded as a separate event. BMLL makes this data available on a rental, pay-as-you-go model.

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
			(Contact: bencollins@bmlltech.com)
Borrell Associates	Borrell's Compass	Equity	Interactive database of advertising expenditures estimates for every U.S. market (to county level) by 100 SIC business categories, for each of 12 different types of media (newspapers, radio, TV, digital, outdoor, etc.) (Contact: gordon@borrellassociates.com)
Comlinkdata	US broadband subscriber tracking	Equity	Comlinkdata helps our clients with deep fundamental analysis of individual cable and telecom carriers and broadband industry trends. We track broadband subscribers and switching between Internet Service Providers (ISPs), which enables us to measure subscriber net add trends for hundreds of ISPs. Our coverage includes all major Telcos, Cable Providers, Overbuilders, and Satellite providers. Our data is updated daily with in-month recency, and is precisely geo-located using a massive panel of smartphone and tablet users. (Contact: dyoung@comlinkdata.com)
DataPulse LLC	Internet infrastructure data	Equity	Actionable insights from Internet infrastructure data – globally and in real time. Includes tracking and trending of: connected vehicles, payment services, IOT devices; web transaction activities, & more. Leveraging a global sensor network that consists multiple data suppliers, verified public sources of data and an owned array of data collection and processing tools, DataPulse extrapolates the use of Internet-connected devices and services by looking at data reflecting how the Internet Infrastructure has been used. The data does not include PII. (Contact: sapienza@datapulse.global)
DataPulse LLC	EMCPulse	Equity	Authoritative metrics covering a growing list of Enterprise Messaging and Collaboration Platforms. Current coverage includes: Microsoft Office365 & Teams, Google/GSuite, Yahoo Business Email, GoDaddy, Trello, Slack, ... For each covered platform, DataPulse provides: • Snapshot count of unique hosted entities on each EMC platform • Number of new hosted entities since last sample • Number of lost hosted entities since last sample • Rate of change including month/month rates (Contact: sapienza@datapulse.global)
DataYes Inc.	News Sentiment Data	Equity	News Sentiments Data provides aggregated Chinese news data from credible Chinese news sources. Each news article is linked to relevant listed companies and provide indicators such as sentiments, correlation of news and the related companies/stocks. (Contact: sales.us@datayes.com)
DataYes Inc.	Hiring/Job Listings Data	Equity	DataYes China Hiring Data helps clients understand the Chinese companies' recruitment activities with daily updates of their job postings. The information includes job titles, job descriptions, location, experience level, salary etc. (Contact: sales.us@datayes.com)
DataYes Inc.	Analyst Report Sentiment	Equity	Analyst Report Sentiments Data provides sentiment analysis of sell-side analyst reports. Each report could have multiple sentiment scores based on the number of opinions identified by our algorithm. (Contact: sales.us@datayes.com)
DataYes Inc.	Supermarket Liquor and Condiment Sales Data	Equity	The dataset contains monthly supermarket sales data of 42 listed company in food and beverage sector. Products category includes spirits (Chinese Baijiu), beer, wine, Chinese rice wine and fermented condiment. (Contact: sales.us@datayes.com)
Eagle Alpha	Consumer Electronics Dataset	Equity	Eagle Alpha have crawled data on a daily basis from retailer Best Buy. The dataset covers seven categories (Handsets, TV's, Desktops PCs,

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
			Notebooks, Printers, Activity Trackers and Action Cameras). Fields include Company, Brand, RRP, Price, Discounting sales ranking and share of bestsellers at the SKU level. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	RevCast	Equity	Company level indicators based on consumer transaction data, online search data and published company financials. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	Search Data - Sales Signals	Equity	A range of equity indicators built using online search data from Google that provide an insight into future revenue or same store sales momentum of a company. We chart YoY% move in the index (12m, 6m, 3m and 1m rolling average) against important business metrics to see if the index leads future changes in fundamentals or revenue. Dataset also includes sector aggregates for tracking company performance relative to peers. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	Search Data - Ticker Signals	Equity	Search Data – Ticker Signals a proprietary dataset of Eagle Alpha. Equity indicators built using online search data from Google Trends that provides insights into the Russell 1000. Eagle Alpha has built a number of proprietary search terms that provide investor insight into a large number of public equities. Data has proven to provide insight into revenue changes, increasing or declining investor interest or abnormal interest in a company. (Contact: enquiries@eaglealpha.com)
Eagle Alpha	Search Term Management Tool	All	Cloud interface for Google Trends search term download strategy management leveraging Eagle Alpha's 6 years of experience with working with Google Data. - Queue and scheduler for managing what to download and when. - Docker container monitors term downloading adhering to known limits. - Algorithms to scale and combine data from multiple frequencies and timespans into unified time series. - AWS Athena for serverless query of the final trend data. - Credentialled Python wrapped for easy usage. - Complete infrastructure to support ~47,000 term downloads per month. - Support from Eagle Alpha to setup downloading strategies to meet your needs if required. (Contact: enquiries@eaglealpha.com)
Edison Software	Edison Trends	Equity	Consumer purchase metrics including brand loyalty, wallet share, purchase preferences, etc. (Contact: Sarah@edison.tech)
Equity Data Science	EDS Analytics Platform	Equity, In 2019, platform is expanding to Fixed Income & Private Equity where investment workflows are similar	An advanced analytics platform for fundamental investors (quantamental), which supports decision-making for stock selection, portfolio analytics, and risk management. Originally built inside of leading funds, EDS aggregates intelligence & solves challenges, such as improved idea targeting, alt data analysis, crowding analytics, position sizing, factor tilts, trade timing, etc. EDS can be your data scientist or be the solution to intelligently add insights to your investment process. (Contact: greg@equitydatascience.com)
Estimize, Inc.	Estimize	Equity, Macro-Economic	Crowdsourced EPS/Rev/KPI and economic (GDP, CPI, Oil inventory...) estimates from 85,000+ buy side and independent analysts. Deeper, more accurate, and more representative of true expectations than IBES. (Contact: sales@estimize.com)
ExtractAlpha	Digital Revenue Signal	Equity	Uses online engagement - web traffic, search volume, social media activity - to predict company revenue surprises (Contact: info@extractalpha.com)
ExtractAlpha	Tactical Model	Equity	A stock selection model using short-horizon price and fundamental

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
			dynamics to forecast 10 day equity return (Contact: info@extractalpha.com)
ExtractAlpha	Cross Asset Model	Equity	Uses data from the options market to forecast equity returns
ExtractAlpha	ESGEVENTS LIBRARY	Equity, Bond/Fixed Income	A database of government events such as EPA investigations, patent filings, government contracts, etc. (Contact: info@extractalpha.com)
ExtractAlpha	TRESS Expert Sentiment Signal	Equity	Sentiment of financial bloggers (Contact: info@extractalpha.com)
ExtractAlpha	ClosingBell	Equity	Crowdsourced stock recommendations from retail traders (Contact: info@extractalpha.com)
ExtractAlpha	ESGEVENTS LIBRARY	Equity, Bond/Fixed Income	A database of government events such as EPA investigations, patent filings, government contracts, etc. (Contact: info@extractalpha.com)
Factual	Places	Equity, Real Estate, Macro-Economic	Factual Places helps businesses utilize high quality, extensive global data on more than 130 million places/points of interest across 52 countries in 475+ categories to derive insights on retail-focused public market equities. (Contact: may@factual.com)
Factual	Observation Graph	Equity, Real Estate, Macro-Economic	Factual's Observation Graph dataset combines mobile device signals with data that powers our Places dataset to index the real world behavior of mobile devices. It generates billions of discrete, daily observations based on visits to various locations, such as retail locations of publicly traded equities (e.g., Starbucks stores), landmarks, and other points of interest etc. We apply our proprietary technologies to ingest location signals to determine the places visited for each observation. (Contact: may@factual.com)
FIRST TO INVEST LTD	FIRST TO INVEST dataset	Equity	Using big data and NLP technologies to capture alpha by collecting, structuring, and revealing events from news articles, press releases, and financial social media. Covering more than 10,000 companies from 10 markets, 400 events categories and sub categories including, financial statements including revenue, earnings and outlook, management change, regulatory decisions, M&A, new products, partnerships, ESG, sales, expansion into new markets, share offering and buybacks and much more (Contact: pro@firsttostinvest.com)
Granular.ai	Granular EM Satellite Insights	FX, Commodity, Macro-Economic	This dataset comprises of three models that provide timely economic insights into China and other emerging markets. The first looks at metal inventory levels at Ports and Industrial sites. The second looks at industry capacity and industrial activity. The final model looks at urban construction rates. (Contact: sid@granular.ai)
Gyana	SaaS Platform	Equity, Real Estate, Macro-Economic, SME Credit	Geolocation SaaS platform providing real world insights about actual human behaviour, to help facilitate better educated investments, that will ultimately increase your ROI (Contact: seyna.habis@gyana.co.uk)
ICEYE	Global raw material supply chain monitoring	Commodity, Macro-Economic	Monitoring of sites at where economic activity can be seen from above such as harbours, mines, and storage areas. (Contact: chris.winquist@iceye.fi)
IHS Markit	Research Signals Short Squeeze Model	Equity	Incorporates transaction level securities finance data with event indicators to provide insights into predicting short squeeze events.

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
			(Contact: timothy.barello@ihsmarkit.com)
IHS Markit	Research Signals Automotive Factor Suite	Equity	Proprietary industry-specific signals designed to predict global automotive stock returns. Systematically score stocks based on a number of metrics specific to the automobile industry. (Contact: timothy.barello@ihsmarkit.com)
IHS Markit	Research Signals Equity REIT II Model	Real Estate	Uses detailed property-level information such as occupancy rate, location, demographic trends, building quality and investor sentiment to construct a bottom-up assessment of REIT net asset value. (Contact: timothy.barello@ihsmarkit.com)
Informa Financial Intelligence	EPFR	Equity, Bond/Fixed Income, FX, Macro-Economic	EPFR tracks Fund Flow and Asset Allocation data, giving clients a view of investor and manager sentiment globally. (Contact: todd.willits@informa.com)
Insight Data Solutions	AVM	Real Estate	Price estimate and property information of all Australian residences (Contact: claudio@ids.io)
Interconnect Analytics, Inc	AlphaEDGAR™	Equity	Using a distributed data acquisition for SEC EDGAR filings, custom intelligent parsing, and a financial markets specific sentiment analysis dictionary INTERConnect Analytics provides over 28 million indicators to aid in driving alpha quant and quantamental firms. (Contact: sales@interconnectanalytics.com)
Interconnect Analytics, Inc	RelateTheNews™	Equity	RelateTheNews™ data as a service (DaaS) is an insightful and actionable set of market indicators driven from market focused NLP analysis of business related journalistic news. (Contact: sales@interconnectanalytics.com)
IPqwery Inc.	IPqwery IP Ownership Event Data	Equity	The IP Ownership dataset aggregates all patents and trademarks owned across multiple jurisdictions (US, Canada, Europe). Combining disparate databases sourced directly from National IP Offices, we make it possible to discover the IP holdings for any corporate entity/owner, to investigate their filing activity, to explore IP holdings & filings at the sector level, by international classification, or by industry category, to monitor IP filings based on specific criteria, etc. IPqwery employs automatic processing and curation by expert human analysts to consolidate and process raw data issued by IP offices into consistent, accurate, well structured and well-documented datasets. We have created a comprehensive IP dataset with full indexing of events by company, while also correcting for common input errors and imposing consistent nomenclature. We include stock identifiers, track company/parent relationships and IP assignments, and monitor status changes in IP records. Moreover, the dataset supports PIT analytics with 10 years of backdata. Data is packaged and delivered a few hours after the IP Office makes its bulk data available. (Contact: info@ipqwery.com)
Kayrros SAS	E&P Intelligence	Equity, Commodity	Well completion data for US tight oil plays derived from satellite measurements. Data contains information on operators, pressure pumper, completion dates, lateral lengths all at the well level and reported ahead of quarterly earnings. (Contact: contact@kayrros.com)
Kayrros SAS	Global Crude Oil Inventory Tracker	Commodity	Kayrros monitors the global crude oil inventory via satellite imagery for both onshore and floating storage. We monitor a global storage capacity of approximately 4 billion barrels for onshore crude oil facilities. (Contact: s.calisti@kayrros.com)
Kayrros SAS	Gas Liquefaction Plant	Commodity, Macro-Economic	Liquefied natural gas (LNG) is taking center stage in the world's natural gas

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Company	Product	Asset Class	Product Description
	Monitor		<p>value chain, and liquefaction capacity projects are ramping up. Although demand is rapidly growing, delays and plant outages are hindering supply growth, disrupting the current LNG supply & demand balance. At Kayros, our data scientists designed a tool to monitor the status of installed liquefaction capacity across 20 countries, accounting for more than 330 MMtpa. Additionally, we leverage satellite imagery to monitor new constructions in near real-time. Get timely alerts on outages and restarts at LNG liquefaction plants worldwide. Leverage satellite imagery to verify or invalidate news reports of LNG train activity. Follow the construction of future LNG projects and receive alerts when new trains enter into production. Receive worldwide train-by-train historical activity data to perform accurate historical analysis.</p> <p>(Contact: j.bambridge@kayros.com)</p>
ListenFirst	ListenFirst Platform & Social Media Data	Equity	<p>Every single social media signal available across clicks, conversation, search, audience, and views. 3B+ Pieces of Content Captured and Processed Daily from APIs of Sources Including Facebook, Twitter, Instagram, YouTube. Tagged to 50K+ Entities (Brands, People, Topics, etc) via Proprietary Digital Taxonomy Mapped to Products / SKU-Level. 5+ Years of Historical Social Data Collected, Unavailable Anywhere Else</p> <p>(Contact: mason.dettloff@listenfirstmedia.com)</p>
MariTrace	MariData	Equity, FX, Commodity, Macro-Economic	<p>MariData systematically tracks the worldwide movements of over 50,000 commercial ships between 7,500 ports. The data set is a record of every individual cargo movement, including details on the load and discharge port, and an estimate of the type and tonnage of the cargo on board.</p> <p>(Contact: w.ellison@maritrace.com)</p>
MarketPsych Data	MarketPsych Indices	Equity, Bond/Fixed Income, FX, Commodity, Real Estate, Macro-Economic, Cryptocurrencies	<p>We have several datasets derived from news, social media, press releases, and regulatory filings. Our premiere data feed is called the Thomson Reuters MarketPsych Indices (TRMI). The sentiment indexes cover 15,000+ companies, 60+ stock indexes, 36 commodities, 45 currencies, 187 country macroeconomics, fixed income instruments for 60 countries, and 150+ cryptocurrencies. The data is delivered in minutely, hourly, and daily feeds. The feeds are based on text analysis of 2,000 top global news outlets and 800 global financial social media sites. The history extends back to 1998 for both news and social media. Our clients use the data feeds for research, alpha generation, and asset allocation.</p> <p>(Contact: info@marketpsychdata.com)</p>
MarketPsych Data	MarketPsych Fundamental Sentiment indexes	Equity	<p>The MarketPsych Fundamental Sentiment (MFS) model is a stock ranking system. The system scores individual U.S.-domiciled stocks using media sentiment. A weighted composite of sentiments from Refinitiv's MarketPsych Indices (RMI) underlies MFS. RMI is the global standard in media sentiment data that contains a diverse array of sentiment and thematic indices. RMI's topical sentiments including corporate fundamentals, earnings, analysts, management, and price sentiment are aggregated to create the final daily MFS score. The goal of MFS is to provide a single sentiment score that summarizes media outlook and is indicative of underreaction to new information. The MFS model has structural similarities to StarMine models. MFS is intended to complement traditional factors with a quantitative assessment of market sentiment.</p> <p>(Contact: info@marketpsychdata.com)</p>
MedMine LLC	QuantHC and MedMiner Models	Equity	<p>US transactional data for medical devices and hospital supplies.</p> <p>(Contact: dale@medminellc.com)</p>
Nowcast	Nikkei POS	Equity, Macro-Economic	<p>Nikkei POS data is one of the biggest POS data in Japan which consists of 1500 stores of large supermarkets/GMSs including Aeon(8267). The data</p>

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Company	Product	Asset Class	Product Description
Nowcast	JCB Consumption NOW	Equity, Bond/Fixed Income, Real Estate, Macro-Economic	<p>has a long history from 2000, which is rare in the world. Compared with other alternative data, Nikkei POS data has some successful cases. Nikkei CPI Now, which is based on Nikkei POS, is the first daily price index in Japan. This index is referenced by cabinet office, BOJ, and other government offices.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>
Nowcast	Credit card transaction level data in Japan	Equity, Real Estate, Macro-Economic	<p>Co-developed and powered by companies JCB and Nowcast, Japan's only international payment brand and the Japanese forerunner in big data analytics, "JCB Consumption Now" is the cutting-edge index for tracking today's consumption activities. The data is updated on a biweekly basis and developed based on 1 million users of JCB. This has a high correlation with actual private consumption in Japan.</p> <p>Contact: tsujinaka@nowcast.co.jp</p>
NOWCAST, Inc.	TrueData	Equity, Macro-Economic	<p>The data is from a credit card company. It has a large number of members and they are still growing. It has the second largest market share (14%). Transaction volume in FY 2018 is approx. 4.8 trillion yen (+2.9% YoY). The data is tagged with individual companies and transaction level data.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>
OpenCorporates	Legal Entity Bulk Data	FX, SME Credit, Financial Institutions	<p>TrueData is the largest standard database in Japan that collects consumer purchase information such as drugstores, supermarkets, etc. across the country. Since it consists of purchase information of 50 million people nationwide and covers their sex and age information, it can be used not only to find out purchase trends by manufacturers, brand and products, but also "repeat purchase", "product switching", etc.</p> <p>(Contact: tsujinaka@nowcast.co.jp)</p>
PlaceIQ Inc.	LandMark Data	Equity, Real Estate, Macro-Economic	<p>OpenCorporates is the largest open database of companies in the world with 170M companies from 130 jurisdictions. We collect, collate and standardise data only from official sources, we do not use third data providers to access this data. The data is provenanced, providing direct line of sight to the official source. Users can access our data via the website, API or in bulk deliveries. The bulk data is generally sold by region e.g. Global or North America and comes with two different license types (internal or external) depending on how the data is going to be used. We deliver the bulk data as a flat file via an SFTP account on a monthly or quarterly basis.</p> <p>(Contact: sales@opencorporates.com)</p>
Platts RigData	Platts Wellscape 4.0	Commodity	<p>With PlaceIQ's Data as a Service offering, LandMark Data Access, clients are able to gain hands-on access to premier location data to conduct cutting edge analytics and insights. Access is made available in a variety of models, including: reports, dashboards, syndicated data feeds, and an "all you can eat" model (full data install of all tracker brands).</p> <p>(Contact: Nadya Kohl, EVP of Marketing and Business Development, nkohl@placeiq.com)</p>
Prattle Analytics	Prattle Equities Analytics	Equity	<p>A rich library of current and history of US & Canada Oil & Gas activity that spans the following well construction phases: permitting, drilling (supply & demand), completion and production</p> <p>(Contact: jgarcia@rigdata.com)</p>
			<p>Prattle identifies likely market response to all primary source corporate communications from every publicly traded company in the U.S. Each company has its own lexicon predicated on market response to prior communications.</p> <p>(Contact: evan@prattle.co)</p>

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Company	Product	Asset Class	Product Description
Prattle Analytics	Prattle Central Bank Analytics	Bond/Fixed Income, FX, Macro-Economic	Prattle identifies the degree to which every communication coming from every major central bank around the world is hawkish or dovish (Contact: evan@prattle.co)
Premise Data Corporation	Premise Data	Equity, Bond/Fixed Income, FX, Commodity, Macro-Economic, Direct observations	A global network of trained and taskable data collectors can be deployed to capture direct observation on the ground from any publicly accessible location using the Premise mobile app. Contributors can be asked to share local opinions and consumer sentiment. All the data collected is processed through rigorous data quality and anti-fraud checks. (Contact: press@premise.com)
QuantCube Technology	QuantCube Global Macro Smart Data Platform	Equity, Bond/Fixed Income, FX, Macro-Economic	Global Macro Smart Data enables to estimate the economic growth in 20+ countries in real-time, including in China, South Korea or Argentina. By construction, our data has a correlation higher than 90% with official numbers for most countries. Global Smart Data includes also other key macro variables such as job market or inflation. (Contact: info@q3-technology.com)
RavenPack	RavenPack Analytics	Equity, Bond/Fixed Income, FX, Commodity, Real Estate, Macro-Economic, SME Credit	Derives analytics from large unstructured datasets, such as prime financial news feeds, on-line global news and social media. These unstructured Data sources are processed by our Big Data analytics platform and turned into structured granular data, indicators and visual dashboards designed to help financial services firms with their investment process: Investment and trading, Portfolio management, Algorithmic trading, Compliance & Risk management, Research & analysis (Contact: gdallennes@ravenpack.com)
Relationship Science	Relationship Science		Relationship Science is a technology solutions company working directly with executive teams to create competitive advantage. The RelSci Platform helps organizations of all sizes capture and leverage their relationship capital with the influential decision makers that matter to their success. Our investment banking clients utilize the platform's curated set of more than 2 million organizations and the 9 million decision makers affiliated with them to drive better business outcomes. (Contact: mbergander@reldsci.com)
RepRisk AG	RepRisk ESG Risk Platform/Data Feed	Equity, Bond/Fixed Income, Commodity, Real Estate	RepRisk's flagship product, the ESG Risk Platform, is the world's largest due diligence database on ESG and business conduct risks, and serves as the foundation for all our products and services. The Platform supports data-driven decision-making by leveraging proprietary quantitative data (risk metrics and analytics) and extensive qualitative research for companies, projects, sectors, countries, ESG issues, NGOs, and more. It is delivered as a Software as a Service, with a user-friendly interface and access at any time, from anywhere. RepRisk Data Feeds are customized exports of RepRisk's proprietary risk metrics and analytics that are integrated into your internal systems. They are delivered in CSV or XML format via a secure FTP, on a daily, weekly, or monthly basis. (Contact: indira.abraham@reprisk.com)
RS Metrics	MetalSignals	Equity, Commodity, Macro-Economic	MetalSignals measures inventories from more than 200 global smelters, refiners, and mining facilities using AI-enhanced satellite imagery analysis. (Contact: msagar@rsmetrics.com)
Sandalwood Advisors Ltd	Exclusive Alternative Data	Equity	Tracks Asia consumer spending in real-time. Card data, E-commerce spending data (Nike vs Adidas in Asia), Department store data, Supermarket data, Export, Social Media data, and Live streaming data. Useful for funds who is happy to invest to gain an information edge. (Contact: Tony.Ho@SandalwoodAdvisors.com)

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Company	Product	Asset Class	Product Description
ScrapeHero	Data as a Service	Equity, Bond/Fixed Income, FX, Commodity, Real Estate, Macro-Economic	We are a custom alternative data provider (Contact: hello@scrapehero.com)
Second Measure	Second Measure	Equity, Macro-Economic, Consumer Credit	US Consumer Transactional Data. Credit card, debit card, and bank transactions. (Contact: ryan@secondmeasure.com)
Sentifi AG	Sentifi Data Analytics	Equity, FX, Commodity	Sentifi Data Analytics provides analytics from social media, news articles and blogs, combined with financially relevant market data, that can shape investment strategies and help monitor the risk inherent in a portfolio. Our customers use these insights to make better investment decisions, often ahead of the markets. (Contact: alessio.biribicchi@sentifi.com)
SESAMM		Equity, Bond/Fixed Income, FX, Commodity, Macro-Economic, Crypto-currencies	SESAMM aggregates articles and messages (social media, social trading, blogs, forums, news) in 8 languages. Sentiments, emotions and opinions are computed using proprietary Natural Language Processing algorithms. High quality dataset based on real-time web data extraction, available by minute, hour or day. Filters can be applied: types of data sources, financial experts, languages... Coverage: all asset classes (equities, indices, commo., Forex, crypto-currencies, bonds) and geographies. (Contact: enquiries@sesamm.com)
Social Market Analytics, Inc (SMA)	S-Factor Feed	Equity, FX, Commodity, Macro-Economic, Consumer Credit, ETFs	As a preferred Twitter partner, SMA takes the full Twitter firehose ~800M tweets per day and produces the S-Factor data feed which aggregates tweets and makes a comparison to baselines to deliver 19 metric data fields every minute. Snapshots can be requested at different cycles (1m, 5m, 15m, Hourly, Daily, etc.) based on a 24H lookback with a 20D baseline with decay (Contact: doug@socialmarketanalytics.com)
Social Market Analytics, Inc (SMA)	Activity Feed	Equity, FX, Commodity, ETFs	The SMA Activity Data Feed isolates and aggregates information every minute and allows clients to create their own baselines and metrics. Ideal for HFT for market making and algo execution models as well as longer baselines for both trading and indices (HFT, W, M, Q) (Contact: doug@socialmarketanalytics.com)
Stocksnips Inc	Stocksnips News Sentiment dataset V3	Equity	Stocksnips summarizes and analyzes news from multiple reliable sources and transforms the textual data to a quantified news sentiment signal. It uses AI / Advanced machine learning models and does what an investor can't - Analyze millions of lines of text from multiple sources to provide a 360-degree view of financial news sentiment. Stocksnips sentiment analysis is based on the positive statements about a company. The source for assessing positive or negative sentiment is based on the analysis of news articles and SEC filings (News sentiment). Stocksnips measures sentiment for relevant comments and statements about various business factors affecting a company's performance from news articles and SEC filings. These relevant "snippets" are then analyzed to determine whether the snippet is a positive or negative comment. The news sentiment is aggregated hourly / daily for each ticker (Contact: rkoka@stocksnips.net)
SumZero, Inc.	SumZero Datafeed	Equity	The SumZero Datafeed provides programmatic access to meta-data derived directly from the content created by SumZero's exclusive buy-side research network. (Contact: sim@sumzero.com)
System2 LLC		Equity, Bond/Fixed Income, Real Estate, Consumer Credit, SME Credit	We are a data consulting company. We provide analysts and PM data-driven research. We have relationships with hundreds of data providers to help support our research. (Contact: matei@ssstm2.com)

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Company	Product	Asset Class	Product Description
Thasos	MallStreams Visitation	Equity, Bond/Fixed Income, Real Estate, Macro-Economic	MallStreams foot traffic provides subscribers with daily customer visitation, derived from mobile phone location data, to over 95% of malls owned or operated by the largest publicly traded retail REITs. (Contact: info@thasos.com)
Thasos	ConsumerStreams Visitation	Equity, Bond/Fixed Income, Real Estate, Macro-Economic	ConsumerStreams provides subscribers with daily customer visitation, derived from mobile phone location data, to individual store, restaurant, or other location owned or operated by over 120 publicly listed companies. (Contact: info@thasos.com)
Thasos	IndustrialStreams	Equity, Bond/Fixed Income, Real Estate, Macro-Economic	IndustrialStreams provides subscribers with daily visitation, derived from mobile phone location data, to industrial locations owned or operated by over 90 publicly listed companies. (Contact: info@thasos.com)
Thasos	ConsumerStreams Attribution	Equity, Bond/Fixed Income, Macro-Economic	ConsumerStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors that we observe at individual store, restaurant, or other location of interest. (Contact: info@thasos.com)
Thasos	MallStreams Attribution	Equity, Bond/Fixed Income, Real Estate, Macro-Economic	MallStreams Attribution provides descriptive statistics (Demographics, Affinity and Loyalty) for visitors to a mall or other location of interest. (Contact: info@thasos.com)
Thasos	QStreams	Equity, Bond/Fixed Income, Real Estate, Macro-Economic	QStreams provides subscribers with daily visitation, derived from mobile phone location data, to location owned or operated by over 400 publicly listed companies. (Contact: info@thasos.com)
Thinknum, Inc.	Thinknum	Equity, Real Estate	Thinknum tracks thousands of websites capturing and indexing vast amounts of public data and presents it in an intuitive, proprietary platform. Our customizable library of company specific time series data includes 400,000+ public and private companies globally across all sectors and market capitalizations. These time series are updated daily allowing for timely tracking of business operations on a granular level which is predictive of company performance. (Contact: jzhen@thinknum.com)
Tussell		Equity	UK Government Contracts (Contact: ben.rycroft@tussell.com)
Vertical Knowledge	VK Data Subscriptions	Equity, Real Estate, Macro-Economic	Vertical Knowledge offers data subscriptions, primarily focused on the following segments: Auto, Retail, Real Estate, and Travel. Vertical Knowledge is a scalable data collection framework that provides its clients with compliant access to relevant signals within the massive amount of open source data. In addition to data subscriptions, VK provides collection framework consulting and implementation, as well as custom data collection services. (Contact: ryan.schreiber@vk.ai)
Verto Analytics		Equity, Macro-Economic, Investments and insight into digitally dominated enterprises	Cross-device web site visitation, search activity and application use. The data feed includes ecommerce transactions across many key sites, in app search, etail search terms, time spent, audio & video streaming, and many other data points across devices. (Contact: patrick.brennan@vertoanlaytics.com)
Wall Street Horizon	Core Events Calendar	Equity	Wall Street Horizon provides institutional traders and investors with forward-looking corporate event data including our flagship Core Events Calendar. Covering more than 7,000 publicly traded companies, the dataset includes: upcoming earnings dates/timing/confirmation status, announced dividends dates/amounts, announced split dates/ratios, earnings conference

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Company	Product	Asset Class	Product Description
			call/webcast dates/times and access and shareholder/board meeting dates. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	Wall Street Horizon Enchilada	Equity	Enchilada, the customizable web-based application, rolls up all the corporate events for 7,000 global equities in one convenient location. In addition, with the Enchilada API, Wall Street Horizon clients have an easy and efficient way to build applications around more than 40 data types. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	EventBreaks	Equity	EventBreaks covers event revisions for more than 40 corporate event types across 7,000 global equities. Examples include earnings date changes, investor conference presenter and date changes, shareholder meeting changes and more. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	Investor Event Calendar	Equity	Calendar of company participation in buy/sell side conferences as well as analyst days/investor meetings. Event types include: analyst days/capital markets days, business updates, company travel, conferences, forums, R&D days, seminars, summits, tradeshows, workshops. (Contact: kryan@wallstreethorizon.com)
Wall Street Horizon	Historical Archived Events Data	Equity	Historical archived events data provides rich historical data for strategy development and model back-testing. (Contact: kryan@wallstreethorizon.com)
Windward	Windward Technology Platform	Maritime Risk	The Windward Technology Platform is a maritime risk analytics system comprising some 20 billion ship operations and updated with hundreds of millions of new data points each day relating to the movements and behaviour of the world fleet. (Contact: elliott@wnwd.com)
Woodseer / Investment Tools Ltd	Woodseer Dividend Forecast Data	Equity, ETF	Our dividend forecast dataset runs ahead two full fiscal years with forecast amounts and dates for over 24000 securities including equities, ADRs and ETFs. We receive partner EDI's daily global corporate actions data (among other sources) and apply our proprietary algorithm to predict forward. Our London based analyst team review and in this way we achieve both huge scale / coverage and strong accuracy. Our accuracy is constantly evolving as automate and codify rule into our prediction software (Contact: ed.dean@woodseer.global)
YipitData	Carmax & Carvana	Equity	Track key metrics such as same store unit and revenue growth and produce deep-dive analyses covering discounting trends, changes in market share, inventory turns, cohort productivity, and competitive dynamics with competitors. (Contact: jwhite@yipitdata.com)
YipitData	Apple	Equity	YipitData provides investors with data on Apple Inc. (AAPL US), including estimates of hardware market share, device mix, ASPs, and smartphone user behavior trends in the China & U.S. markets. The product also includes KPI estimates for the Services segment in the U.S. market, including Apple Music, AppleCare & iCloud subscription market share/user behavior, iTunes billings and App Store commissions. (Contact: jwhite@yipitdata.com)
YipitData	Auto Marketplaces (CARG, CARS, AUTO)	Equity	YipitData provides investors with data for key online auto marketplaces including CARG, CARS, Autotrader US and LON:AUTO. Our core data is based on systems designed to analyze 100% of listings and dealers across cargurus.com (as well as all international CARG platforms), cars.com, autotrader.com, and autotrader.co.uk and has proven highly accurate historically. Full historical accuracy scorecards by ticker are included in the

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Company	Product	Asset Class	Product Description
YipitData	Cars.com (CARG)	Equity	<p>following pages. We also track organic search results for a panel of ~2.5k keywords to speak to relative SEO performance between CARG, Autotrader (US), CARS, TRUE, and key traffic competitors like Kelley Blue Book, Edmunds, and Carfax.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Alibaba (BABA)	Equity	<p>YipitData provides investors with data on BABA's gross merchandise volume (GMV) for Tmall and Taobao as well as commission revenue for Tmall. Our data can be analyzed in a variety of ways including by category, brand, seller, and more. We also provide subscribing member information for Youku Tudou video platform.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Bilibili (BILI)	Equity	<p>YipitData provides investors with data on all components of BIL's business, including user engagement, online video, live broadcasting, gaming, advertising, and traffic. (Contact: jwhite@yipitdata.com)</p>
YipitData	China Education (EDU & TAL)	Equity	<p>YipitData provides EDU and TAL data on small and large class revenue, class attendees, Learning Centers, classrooms, teachers, and utilization broken out by city, city tier, Learning Center cohort, and more. This level of granularity allows us to analyze EDU and TAL trends on a seat level basis. We also track TAL's Peiyou Online segment.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	China Express Shipping (BSTI, JD, ZTO)	Equity, Macro-Economic	<p>YipitData provides express parcel volume data on Best Express, JD Express and ZTO Express, combined represents nearly 40% of the China Express Shipping market, broken out by shipping origin and destination by city, city tier, and province. Given the granularity of our parcel-level data, we provide analysis on average delivery times and other key metrics for each company.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	China Hotels (HTHT & GHG)	Equity	<p>YipitData provides investors with data on occupancy rate, ADR, RevPAR, and inventory for HTHT and GHG. We have HTHT data from Nov. 2017; GHG data from May 2018. Aggregate operating metrics data is expected to be published bi-weekly, granular data is expected to be published the first week of each month.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	China Video (MOMO, YY, HUYA, IQ, Tencent, Youku)	Equity	<p>YipitData provides investors with data and analysis on including, but not limited to: user metrics (such as engagement, virtual gifts, subscribing members, churn) and competitor analysis.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	China OTAs (CTRP & Meituan)	Equity	<p>YipitData provides investors with data on CTRP & Meituan's gross reservations, properties, and rooms. Our data can be analyzed by region, including China vs. International and by smaller geographies (e.g. Chinese city tiers). We also collect pricing data on the majority of active properties (those receiving 1+ bookings in a given period) and track inventory cross-listed on both OTAs.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Brands in China	Equity	<p>YipitData provides investors with key sales metrics of companies and their associated brands on the Tmall platform, the top 20,000 brands (private and public) are ticker mapped to over 600 public companies. Our monthly data, starting from October 2015, can be analyzed to track company and brand level China e-commerce sales to understand key trends in the space, competitive brand analysis and identify sales inflections.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Salvage Auctions (CPRT)	Equity	YipitData provides CPRT & KAR investors with highly accurate and granular

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Company	Product	Asset Class	Product Description
	<u>& KAR:IAA)</u>		<p>data covering all salvage units sold by the two companies in the US, Canada, and the UK. In addition to North America (NA) & UK unit sales for both companies (historically accurate within ~1-2% of reported metrics), we also provide estimates for CPRT ASP growth and GMV growth. When there are catastrophic weather (CAT) events and/or large seller contract wins and acquisitions, we report on organic growth trends excluding noise from these events in order to better speak to core business trends. We also track market share and shifts between the two companies by geography and quantify the degree to which shared sellers are shifting volumes from one platform to the other.</p> <p>(Contact: jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>Eventbrite (EB)</u>	Equity	<p>YipitData provides investors with insight into paid tickets, total event and creator growth, creator cohort performance, international expansion, and the split between paid and free events, among other analyses. We track paid tickets through our email receipt panel, which has backtested to within 5% of company reported for the past six quarters. (jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>eBay (EBAY)</u>	Equity	<p>YipitData provides data and analysis on eBay's gross merchandise volume (GMV), structured data initiative, listing features, promoted listings, payments and Google search performance</p> <p>(Contact: jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>Etsy, Inc. (ETSY)</u>	Equity	<p>YipitData provides data driven analysis of trends in Gross Merchandise Sales (GMS), Transactions, Purchase Frequency and Repeat Buyers which serve as a resource for investors in the formation and testing of investment theses.</p> <p>(Contact: jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>FedEx & LTL Shipping (ODFL, SAIA, YRCW, XPO, FDX)</u>	Equity	<p>YipitData provides investors with monthly shipment and tonnage data for 5 of the top 10 LTL carriers (representing approximately 50% of US LTL market). Our proprietary data enables investors to compare performance in the LTL industry on monthly basis. We also generate a LTL Sector Index based on company performance for the industry. YipitData provides investors with monthly shipment data for each operating sector of FDX including Express US domestic, International Export (ex-TNT), FedEx Ground and FedEx Freight. Our proprietary data enables investors to better understand company's monthly performance with shipment estimate for each segment.</p> <p>(Contact: jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>Groupon (GRPN)</u>	Equity	<p>YipitData provides investors with data on gross billings and units sold for GRPN's North America (NA) business broken down into Local, Travel and Shopping (Goods) categories. Our systems are also designed to track the number of claims for Groupon+.</p> <p>(Contact: jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>US Delivery (GRUB, Uber Eats, DoorDash, Postmates)</u>	Equity	<p>YipitData provides analysis of the major delivery platforms in the U.S., including: 1) Email receipt & web data to accurately estimate gross food sales (GFS), orders, average order value (AOV) and revenue 2) Restaurant supply inventory and churn for GRUB, Uber Eats, DoorDash, and Postmates 3) Email receipt data for U.S. Delivery market shares, cross-platform usage, churn, and order frequency.</p> <p>(Contact: jwhite@yipitdata.com)</p>
<u>YipitData</u>	<u>InterActiveCorp/Match (ANGI, IAC, MTCH)</u>	Equity	<p>We provide investors with data on ANGI's HomeAdvisor subsidiary, including domestic paying service professionals ("SPs") and domestic service requests. Estimates for both SPs and SRs have been accurate within 2% of company reported figures. Our systems are designed to capture 100% of paying SPs. Our data is granular down to metro, service</p>

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
YipitData	Intl Delivery: JE, DHER, TKWY, Deliveroo, UberEats	Equity	<p>category, and date joined cohort. YipitData also provides investors with online dating data on users, subscribers, ARPU and a-la-carte purchases. The granular dataset allows us to analyze subscriber and pricing trends on a user level basis across multiple platforms, providing a read-through on market share, competitive trends and subscriber behavior in the online dating industry, covering brands including Tinder and Bumble.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	MercadoLibre (MELI)	Equity	<p>YipitData provides data on active restaurant inventory for five of the largest international online delivery providers, including Just Eat (LON:JE), Deliveroo, Uber Eats, Delivery Hero (ETR:DHER) and Takeaway.com (AMS:TKWY). Our coverage is globally comprehensive for Deliveroo, Uber Eats and Takeaway.com; our Just Eat data covers all markets but Brazil and Mexico; Delivery Hero data covers Germany (Lieferheld, Pizza.de), Sweden (Pizza.se), Middle East (Talabat), Turkey (Yemeksepti), LatAm (Pedidosya) and Foodpanda (Global)</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Mercari (TYO:4385)	Equity	<p>YipitData provides investors with insight into GMV and category-related data across Mercari's two main geographies, Japan and the United States. We track GMV, units sold, and average selling prices segmented by geography and category.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	PayPal (PYPL)	Equity	<p>YipitData provides investors with insight into Venmo's Total Payment Volume (TPV), and monetization initiatives such as Pay with Venmo, Instant Transfer, and ATM Cash withdrawals. We also track merchant acceptance rates of PYPL in the U.S., and analyze engagement of Venmo and PYPL users.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Redfin (RDFN)	Equity, Real Estate	<p>YipitData provides investors with data on Redfin's lead agents count, brokerage real estate transactions, and brokerage revenue per transaction, accurate to within 2% of company reported figures. We track nearly 100% of the above metrics, which accounts for 90%+ of Redfin's total revenue. In addition to top-line metrics, our agent / transaction-level data allows for analysis by geographic region and agent cohort.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	Shopify (SHOP)	Equity	<p>YipitData provides investors with data on Shopify's subscription solutions business by identifying and tracking Shopify merchants. Our merchant data currently includes the distribution of total merchant count cohorted by Plus vs. Non-plus, estimated join date, and website traffic rank along with each cohort's respective churn/retention rates. We provide a proprietary data driven Merchant Churn/Retention model which uses our churn/retention data and our monthly gross adds estimates to forecast year end merchant count and MRR. We can also provide competitive analysis with data on which platforms merchants are coming from and churning to.</p> <p>(Contact: jwhite@yipitdata.com)</p>
YipitData	SEA Limited (SE)	Equity	<p>YipitData provides investors with insight into GMV, orders and other related data across Shopee's seven geographies as well as competitive dynamics with Tokopedia and Lazada Indonesia. We track GMV, units sold, and average selling prices segmented by shop and item level groupings such as</p>

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
			country, item category, shop type, and the month a shop joined the site for Shopee. We also track gross orders on the Shopee marketplace which has backtested to within 2% of the company reported metric. On Garena, we track the daily downloads by country of the different mobile games published including Free Fire, and Speed Drifters. (Contact: jwhite@yipitdata.com)
YipitData	Tencent Music (TME)	Equity	YipitData provides investors with data on all components of TME's business, including (i) paying subscribers and active users within online music services, (ii) music library data, such as songs behind the paywall, # of independent artists, and digital album sales (iii) live streaming and karaoke virtual gift revenue within social entertainment services. The dataset includes QQ Music, Kugou, Kuwo, and WeSing. (Contact: jwhite@yipitdata.com)
YipitData	OTAs (BKNG, EXPE, Airbnb)	Equity	YipitData provides investors with data on gross reservations, active properties, and total bookable rooms from BKNG, EXPE and Airbnb, with room-night estimates for EXPE and Airbnb. Our EXPE system also includes inventory and listings data on HomeAway. (Contact: jwhite@yipitdata.com)
YipitData	U.S. Airlines (ALGT, JBLU, UAL)	Equity	YipitData provides investors with data on pricing, traffic, and operational metrics for JBLU, ALGT, and UAL, typically on a weekly basis. Our granular dataset allows us to analyze booking and pricing trends on a seat level basis providing insights on guidance for the demand environment. We also expect to provide a weekly industry pricing overview using data from ARC on industry-wide bookings. (Contact: jwhite@yipitdata.com)
YipitData	U.S. Ridesharing (Uber & Lyft)	Equity	YipitData provides analysis of the U.S. operations of Uber & Lyft. We offer read-through on the competitive dynamics of the U.S. ridesharing industry by estimating metrics such as growth in rides and active riders, market share and user level metrics, segmented by metro tiers and ride categories (e.g. Pool / Line). (Contact: jwhite@yipitdata.com)
YipitData	Video Games (ATVI, EA, TTWO, UBI)	Equity	YipitData provides investors with video games data on full game download (FGD), microtransaction (MTX), and downloadable content (DLC) purchases for ATVI, EA, TTWO and UBI. The granular dataset enables investors to analyze transaction, cross franchise and pricing trends on a user level basis across multiple platforms (e.g., Sony, Steam, etc.), providing insights on market share, competitive trends and subscriber behavior in the U.S. video game industry. (Contact: jwhite@yipitdata.com)
YipitData	RightMove (RMV, PURP, RDFN)	Equity	YipitData's RightMove product combines data from RightMove (RMV), PurpleBricks (PURP), and Redfin (RDFN) to track RMV's Advertisers KPI segmented by Agencies / New Homes, PURP instructions and agents (UK, AUS, US), market shares of top UK agencies, and the health of the UK Real Estate market. (Contact: jwhite@yipitdata.com)
YipitData	Vipshop Holdings (VIPS)	Equity	YipitData provides investors with a monthly view into the trajectory of VIPS total orders ahead of each quarter. In addition we provide investors with data on daily volume, delivery speeds, buyer geographic distribution and analysis of potential revenue guidance. We also provide data to enable investors to estimate the impact of the JD/VIPS partnership. (Contact: jwhite@yipitdata.com)

Appendix 4 – Survey Participants – Products

Company	Product	Asset Class	Product Description
YipitData	Zillow (ZG)	Equity, Real Estate	<p>YipitData provides investors with granular data and analysis on Zillow's iBuyer and Premier Agent (PA) businesses. We also provide a proprietary PA revenue model that estimates agent-level ad spend and ROI using our agent ads and transactions data. We also track OpenDoor.</p> <p>(Contact: jwhite@yipitdata.com)</p>
ZestFinance	ZAML (Zest Automated Machine Learning)	Consumer Credit, SME Credit	<p>ZAML provides AI-enabled tools to build high-powered, transparent ML models</p> <p>(Contact: partner@zestfinance.com)</p>

Appendix 5 – Vendor Surveyed Product Use Cases

Vendor Surveyed Product Use Cases

Use Cases Submitted by Vendors

Advan Research Corporation, LLC, Foot traffic data and Weather data

Leading indicator of company performance: more people visit CostCo translates to higher revenue for the company. More customers moving from Whole Foods and Trader Joe's means that Trader Joe's has a stronger outlook.

Alexandria Investment Research and Technology, Alexandria Contextual Text Analytics

quantitative research and trading (company-level and macro), risk and volatility analysis, market surveillance/compliance, asset allocation

AlgoDynamix Ltd., PI-EQ™, RAP-EQ™

Hedging, Alpha capture, Portfolio construction / deconstruction, Factor model selection, Sector rotation

AllTheRooms, Alternative Accommodations Market Performance

Determining total lodging supply in given market and appropriate market share by room nights booked and listing share by provider (eg. Expedia, Booking.com, Homeaway, Airbnb, etc.)

Alpha Hat, Alpha Hat

Monitoring traffic at 300+ retail/restaurant brands relative to Street SSS estimates.

Alt&A Advisory, AI Algo trader

Calculates optimum trading strategies for institutional equities trading.

AYLIEN Limited, News API

We help quant researchers, data scientists and analysts gather and analyze news content at scale. We provide enriched news data that is tagged with up to 25 data points (Entities, Sentiment, Categories, Topics, Published time, Source info etc...). Our data is then used by quants, researchers and analysts to build informed trading strategies.

Big Byte Insights, Ltd, Self Storage Survey

Predict revenue growth

big xyt, Liquidity Cockpit

Market microstructure analysis, best execution, post-trade transaction cost analysis

Bitvore, Bitvore Precision News

From identification of new loan opportunities to signal-driven continuous default risk management, Bitvore's continuous surveillance helps commercial lenders grow their loan portfolios while proactively identifying risk. Using proprietary AI techniques to analyze unstructured data from global sources of world news and information, Bitvore eliminates time-consuming manual googling, web scraping and sifting through noisy

feeds from other digital news providers.

BizQualify LLC, BQ Employment & Benefits

Headcount Trends, Amount of Cash Contributions to Employee Benefit Plans per Employee

BizQualify LLC, BQ Credit

Short Selling; Bankruptcy Indicators

BizQualify LLC, BQ ESG

Quality of company for ESG

BMLL Technologies Limited, BMLL Platform

A buy-side firm can map their proprietary order and trade data against the public exchange record, so that they can analyse market impact analysis or TCA and run predictive analytics to help them trade more efficiently. Or a sell-side firm can run high-scale computation on the cloud creating and fine tuning algo trading strategies in a sandbox research environment.

Borrell Associates, Borrell's Compass

JP Morgan, Bain, Facebook, Microsoft, and others have accessed this data to do trend analysis and forecasting on print advertising, digital advertising, and to gauge spending in individual markets and by specific types of advertising segments (Automotive, Real Estate, Hospitals, etc.)

Comlinkdata, US broadband subscriber tracking

Measuring broadband subscriber net additions by ISP. Measuring the gross add and churn impact of events, such as outages, promotions, new products, and competitive activity.

DataPulse LLC, Internet infrastructure data

Deployment, transaction, and customer adoption trends plus commercial user identity data for IOT, SaaS, Enterprise Messaging, Payment Solutions, Travel Services and more.

DataPulse LLC, EMC Pulse

Current coverage includes: Microsoft Office365 & Teams, Google/G-Suite, Yahoo Business Email, GoDaddy, Trello, Slack. For each covered platform, DataPulse provides:

- Snapshot count of unique hosted entities on each EMC platform
- Number of new hosted entities since last sample
- Number of lost hosted entities since last sample
- Rate of change including month/month rates
- Complete list of EMC platform clients, by hosted entity name, optionally available

DataYes Inc., News Sentiment Data

Factor construction, risk model, etc.

Appendix 5 – Vendor Surveyed Product Use Cases

DataYes Inc., Hiring/Job Listings Data

Company growth estimation, operating risk modeling

DataYes Inc., Analyst Report Sentiment

Factor construction, risk model, etc.

DataYes Inc., Supermarket Liquor and Condiment Sales Data

Profitability and Earnings Estimation

Eagle Alpha, Consumer Electronics Dataset

Equity analysts can use this dataset to understand trends in pricing and discounting. Share of bestsellers is also a valuable proxy for market share. Using the US Consumer Electronics Dataset, Eagle Alpha correctly predicted the GoPro results in April 2018.

Eagle Alpha, RevCast

Used in a discretionary process to pre-empt beats/misses on revenues across retail and restaurant stocks in the US. Used as an input into a systematic/quant strategy. In backtesting, RevCast was on the right side of consensus revenues roughly two thirds of the time across 60+ stocks, over 5+ years.

Eagle Alpha, Search Data - Sales Signals

Best used as a screening tool, or as a signal, on potential changes in important company metrics and so trigger action on fundamental research. Lead time to change in revenue facilitates this research. Search Data - Sales Signals identified weakness in demand for Apple products early in 2018, pre-empting company results by a number of quarters.

Eagle Alpha, Search Data - Ticker Signals

Best used as a screening tool, or as a signal to create alerts, monitor potential changes in investor interest and trigger action on fundamental research. Provides insights into changing investor interest and sentiment.

Eagle Alpha, Search Term Management Tool

1. Define desired terms and data frequency, i.e. daily, weekly, monthly etc..
2. User interface returns how long it will take to recreate full history at desired frequency and build the ongoing download schedule. User approves or makes changes.
3. Approved schedule submitted to AWS infrastructure.
4. Downloads initiated automatically based on schedule.
5. Term downloads averaged automatically to derive final trends.
6. Final term trends at specified frequency available to end user.

Edison Software, Edison Trends

Predicting earnings before they are released

Equity Data Science , EDS Analytics Platform

Focused on solving challenges and improving outcomes pre-trade & post-trade, such as better idea targeting (especially shorts), crowding

analytics, data-driven advice for position weighting, factor tilts analysis, valuation modeling that is comprehensive and proven to help pinpoint the most likely peers and price targets, monitoring near-term signals & data, earnings preparation, reporting, automation, alt data integration, and data aggregation & warehouse for decision feedback loop

Estimize, Inc., Estimize

Replacing sell side estimates in any model where estimates are used. Understanding the difference between sell side and buy side estimates. Both systematic alpha producing strategies and non systematic stock selection and risk management strategies.

ExtractAlpha, Digital Revenue Signal

As an alpha signal to position portfolios ahead of earnings based on expected revenue surprises

ExtractAlpha, Tactical Model

Timing entry and exit points; blending into a stat arb model

ExtractAlpha, Cross Asset Model

Use as part of a short-horizon (5 day) trading model

ExtractAlpha, ESGEvents Library

Build innovation or sustainability scores; build risk factors; build thematic structured products

ExtractAlpha, TRESS Expert Sentiment Signal

Blogger sentiment predicts stock prices over a one month horizon

ExtractAlpha, ESGEvents Library

Build innovation or sustainability scores; build risk factors; build thematic structured products

Factual, Places

Global Places dataset is often used in conjunction with Observation Graph dataset and other Factual technologies to enable deeper understanding of consumer behaviors and movement patterns in the real world. Site selection: Understanding the density of categories of businesses (restaurants, coffee shops, fitness centers, etc.) near the potential sites to better evaluate the desirability of the location. Competitive analysis: Study neighborhood composition and competitive landscape (similar stores in the same area) to better understand stores' sales.

Factual, Observation Graph

Study footfall to points-of-interest locations to gain a deeper understanding of real world device movement, including aggregated footfall to stores, DMAs, and geographic areas (geohash, zip, county, country), and trends over time; Travel patterns to/from points of interest (e.g. retail stores, restaurants, parks, etc.); Unaggregated visit data to supplement other data sources.

Appendix 5 – Vendor Surveyed Product Use Cases

FIRST TO INVEST LTD, FIRST TO INVEST dataset

A new source of alpha for quantitative investment models. Use as a timing tool to speed up or delay trades. Portfolios aggregated score. Overweight/underweight markets, sectors, and industries based on an aggregated score. Scoring per event categories such as ESG, M&A, earnings, and more. Monitoring events for compliance

Granular.ai, Granular EM Satellite Insights

In the aggregate this dataset provides unique supply chain and macroeconomic insights into opaque economies. Each component can answer unique questions: How much did a given subset of cities grow in the past week/month/year? How many iron BOF furnaces are online? How much copper is being stored in off-warrant facilities?

Gyana, SaaS Platform

Portfolio Management, Due Diligence, Pre and Post Analysis

ICEYE, Global raw material supply chain monitoring

Monitoring stockpiles, oil storages and bulk and container harbours to find indicators that correlate with financial or macroeconomical performance.

IHS Markit, Research Signals Short Squeeze Model

The data model helps measure risk in crowded equity short positions.

IHS Markit, Research Signals Automotive Factor Suite

Helps investors better understand single name automotive stock return, risk and exposure.

IHS Markit, Research Signals Equity REIT II Model

Helps investors assess REIT value.

Informa Financial Intelligence, EPFR

EPFR Flow and Allocation data is used by Quant Analysts, Portfolio Managers and their teams to drive alpha, and minimize beta. It's used as a sentiment indicator in both bottom-up stock picking and top-down asset allocation investment strategies across asset classes. The global nature of the data allows for smarter market timing, as a measurement of crowding, and helps clients accurately identify market inflection points.

Insight Data Solutions, AVM

Typically, pre-lending or asset verification purposes

Interconnect Analytics, Inc, AlphaEDGAR™

AlphaEDGAR™ provides alpha driving data throughout the investment lifecycle from portfolio construction to trading and risk management for long/short U.S. equity and options market participants. Firms use our data as an input to their entire investment lifecycle aiding in equity selection, trade timing and risk management.

Interconnect Analytics, Inc, RelateTheNews™

RelateTheNews™ provides alpha driving data throughout the investment lifecycle from portfolio construction to trading and risk management for long/short U.S. equity and options market participants. Firms use our data as an input to their entire investment lifecycle aiding in equity selection, trade timing and risk management.

IPqwery Inc. , IPqwery IP Ownership Event Data

Monitoring the IP filing activity of specific companies or groups, by IP category or keywords associated with either patent abstracts or trademark goods and services descriptions. Using trademark filings to identify impending product/brand launches and releases, typically indicated many months in advance. Tracking innovation investments correlated with patent filings. Identifying new entrants/outliers based on specific technology developments described within patent filings.

Kayros, E&P Intelligence

For investors in E&P companies to monitor detailed well construction operations ahead of and in between reporting.

Kayros SAS, Global Crude Oil Inventory Tracker

Anticipate crude oil futures variations. Adjust your supply and demand balances in near real-time with weekly updates on changes in inventory levels

Kayros SAS, Gas Liquefaction Plant Monitor

Get timely alerts on outages and restarts at LNG liquefaction plants worldwide ahead of reported news

ListenFirst, ListenFirst Platform & Social Media Data

Using social media data that measures consumer activity to determine company health, interests in products, and financial performance in a company. For example, how does the new iPhone resonate with consumers on social and how does it benchmark to previous product launches.

MariTrace, MariData

Monitoring the global flow of iron ore, being able to identify the output volumes of individual mining companies, as well as analyzing the changes in general trade flow, e.g. the dominance of Australia vs Brazil for Chinese Iron Ore imports.

MarketPsych Data, MarketPsych Indices

Sell-side and buy-side research, risk-off signals, brokerage widgets and visualizations, advisory and wealth management for idea generation, alpha generation, asset allocation, timing, compliance and market monitoring, and sentiment momentum strategies, and reversals. From high frequency trading to monthly rotation models with multi-year holding periods.

Appendix 5 – Vendor Surveyed Product Use Cases

MarketPsych Data, MarketPsych Fundamental Sentiment indexes

Sell-side and buy-side research, brokerage widgets and visualizations, advisory and wealth management for idea generation, portfolio alpha generation, factor models

MedMine LLC, QuantHC and MedMiner Models

Predictive analysis of US quarterly sales trends for medical device and hospital supplies manufacturers.

NOWCAST INC., Nikkei POS

Nikkei POS data is used widely in investment market. The data lets you know product sales of firm so that it allows you to predict changes in stock price. In the same vein, it also allows you to analyze level of success whenever a new product arrives. In addition, it can be helpful to analyze the market share of certain companies in the same industry. As such, there are many ways to use this data for understanding the real time business condition, and many investment firms are using Nikkei POS data to analyze.

NOWCAST INC., JCB Consumption NOW

JCB Consumption NOW can be used to identify the turning point of macro consumption trends in Japan. This has over 0.9 correlation rate with government statistics. And it allows users to analyze the representative companies in a certain sector such as Amazon or Rakuten in E-commerce sector.

NOWCAST INC., Credit card transaction level data in Japan

The data lets you know sales of firm so that it allows you to predict changes in stock price. In the same vein, it also allows you to analyze level of success whenever a new store arrives. In addition, it can be helpful to analyze the market share of certain companies in the same industry. As such, there are many ways to use this data for understanding the real time business condition.

NOWCAST, Inc., TrueData

Truedata can be used usefully in investment market. Truedata can let you know product sales of firm so that it allows you to predict changes in stock price. In the same vein, it also allows you to analyze changes in stock prices each time a new product arrives. In addition, it can be useful to analyze the market share of certain companies in the same industry. As such, there are many ways to use this data usefully, and many securities companies are using truedata to analyze.

OpenCorporates, Legal Entity Bulk Data

Given our data is so foundational the use cases are quite varied however we see three common use cases and those include: a) Build it - OpenCorporates brings together data from across the world making it a great foundational data set to build upon. We have many clients using our data as a spine or master file. b) Investigations - we work with lots of journalists, NGO's and Governments who use our data to help conduct investigations.c) KYC/ AML/ verification - we have hundreds of API clients who connect to our data as part of a workflow process

PlacelQ Inc., LandMark Data

Within Investment Management, PlacelQ makes LandMark data assets available to equity insights firms, in particular PlacelQ's brand visitation data, to overlay with Ticker prices to understand if there is a correlation between store visitation and ticker price. PlacelQ data is also successfully used in related verticals, such as Private Equity (for market and company analysis), Management/Strategy Consulting (for use cases such as market planning, pricing optimization, due diligence, etc) and Transportation Analysis (eg transit routes).

Platts RigData, Platts Wellscape 4.0

The dominant use case is to monitor well construction activity trends about WHO(driller or operator) is performing WHAT (well construction event -permitting, drilling, completion or production), WHEN (in the last 10 years, WHERE (in the US & Canada)

Prattle Analytics, Prattle Equities Analytics

One use case is to streamline and quantify analysis of earnings call transcripts to identify likely market response for both quant models and to streamline fundamental research.

Prattle Analytics, Prattle Central Bank Analytics

When the Federal Reserve issues a FOMC statement Prattle provides a singular quantitative score representing how hawkish or dovish that statement is.

QuantCube Technology, QuantCube Global Macro Smart Data Platform

A typical use case is the estimation of economic growth in USA, China, South Korea, Japan, Saudi Arabia, India, France or Italy, that enable the asset allocation among those countries depending on the acceleration or the deceleration of the economic growth

RavenPack, RavenPack Analytics

200+ white papers published by our own data science team and 3rd parties (investment banks, Ivy league Universities, research firms) have been published on our data, highlighting use cases on all major asset classes on different investment horizons, for both systematic and fundamental investors.

Relationship Science, Relationship Science

Top use cases include 1) Win mandates by capitalizing on all of your potential points of contact 2) Enhance deal execution by better understanding all potential counterparties 3) Identify and gain access to the decision-makers at potential client businesses

RepRisk AG, RepRisk ESG Risk Platform/Data Feed

We work across client segments notably Banks, Insurance Providers, Asset Managers, Asset Owners and Corporates. For example, Banks integrate ESG and business conduct risk assessments into their client onboarding and Know-Your-Client (KYC) procedures; to conduct due diligence on business and financing transactions as part of lending processes; run periodic client reviews and assess overall client and

Appendix 5 – Vendor Surveyed Product Use Cases

project portfolio risk; and identify and map ESG risks at the country and sector level. Another example of use case by Asset Managers is to apply RepRisk in the investment analysis across all asset classes to meet the UNPRI requirement for ESG integration; to understand and engage with companies about their ESG and business conduct risk exposure; to screen and monitor any investment universe, short list, or portfolio to check compliance with internal policies and international standards; and to conduct negative and norms-based screening of an investment universe, portfolio, or fund

Sandalwood Advisors Ltd, Exclusive Alternative Data

All International companies expose to Asia consumers i.e. Apple, Nike, Kering, Swatch, Nvidia, Moncler, Estee lauder, A2Milk, Amore Pacific etc. Traditionally L/S Discretionary Hedge Fund have used our services when they have a big position on a stock. Recently we also generated a quant model which can consistently generate Alpha (currently only 8 quant funds are aware of this, and we will increase pricing as more quant funds signs up to this product to retain it's alpha generation capabilities)

ScrapeHero, Data as a Service

Any use case our customers would like us to build

Second Measure, Second Measure

Understand consumer behavioral patterns, forecast quarterly revenue, etc.

Sentifi AG, Sentifi Data Analytics

Integrate new datasets in the investment decision-making process, validate house views, and validate investment decisions.

SESAMM, L'Humeur des Marchés Web & API (The Markets Mood)

1. Systematic Trading - Daily Long/Short Indices Futures - Machine learning on emotions data - Long / Short / Flat signals - 6 Indices - Outperformed all underlying indices 2. Quantitative Trading - Weekly Long/Short Equity - Emotions & sentiment data, regression - Long / Short - SPX, DAX30 Stocks - Outperforms both indices and limits drawdown 3. Discretionary Fundamental - Long-term Growth Trends Luxury Stocks - Z-scored sentiments on web news, blogs, forums - Long-term growth trends

Social Market Analytics, Inc (SMA), S-Factor Feed

SMA data is currently used in L/S trading, market making, algo execution models, indices, and risk and research from RT out to M and Q. Around two U.S. Patents SMA extracts, evaluates, and calculates using machine learning financial NLP to produce predictive metrics

Social Market Analytics, Inc (SMA), Activity Feed

The SMA Activity data feed is raw data ideal for modeling HFT market making and algo execution models. The Feed is also ideal for extending baselines and metrics for longer holding periods in Long Only and L/S models. SMA two U.S. Patents SMA extracts, evaluates, and calculates using machine learning financial NLP to produce predictive metrics

Stocksnips Inc, Stocksnips News Sentiment dataset V3

The value of using stock sentiment data generated using StockSnips' proprietary stock sentiment algorithm is to generate alpha in addition to other factors like price and volume. We conducted a study to determine reliability and construct validity of our signal. We considered the complexity related to the discrete and bounded nature of news sentiment. The results show that there is a high signal to noise ratio with strong construct validity. Our analysis also indicates a much higher correlation to price movement versus pure social media driven sentiment signals. The mean correlation was 0.25 for 640 randomly selected stock tickers where 50-day sentiment change was correlated with 50-day price change

SumZero, Inc., SumZero Datafeed

SumZero's unique and proprietary data presents both fundamental and quantitative firms with the opportunity to identify market out-performance across the larger data set found on the SumZero buy-side platform.

Thinknum, Inc. , Thinknum

Store Locations, Product Pricing, Job Listings, Glassdoor Reviews, Employee head count via LinkedIn

Tussell

Evaluate PLCs exposed to the UK government

Vertical Knowledge, VK Data Subscriptions

VK collects the entire inventory from Carmax 2x daily. The data is commonly leveraged to monitor car removals/returns, and predict revenue, volume, and same store sales. Given the breadth and depth of the data, it can be used to monitor specific market and dealership performance. Given the granularity of the data, it can also be re-purposed for macro and auto industry trends.

Verto Analytics, Verto Data Feed

Changes over time for IPO web properties (e.g. Lyft/Uber, or Spotify, etc.)

Wall Street Horizon, Core Events Calendar

Corporate Events - their dates and revisions - cause volatility in stocks and options. Institutional investors need to know about these upcoming events in advance to create successful risk and trading strategies. Categorizing these events as simply calendar events with a "set it and forget it" attitude can expose investors to bad data and failed strategies.

Wall Street Horizon, Wall Street Horizon Enchilada

Enchilada helps institutional investors and traders stay informed of corporate events and corporate event revisions that may cause volatility in a stock's price. Clients can search by ticker across specific event types and event horizons, plus create an unlimited number of watchlists of stock portfolios.

Appendix 5 – Vendor Surveyed Product Use Cases

Wall Street Horizon, EventBreaks

Corporate Events - their dates and revisions - cause volatility in stocks and options. Institutional investors need to know about these upcoming events in advance to create successful risk and trading strategies. Categorizing these events as simply calendar events with a “set it and forget it” attitude can expose investors to bad data and failed strategies.

Wall Street Horizon, Investor Event Calendar

Investor-related corporate events - their dates and revisions - cause volatility in stocks and options. Institutional investors need to know about these upcoming events from analyst days to workshops in advance to create successful risk and trading strategies. Categorizing these events as simply calendar events with a “set it and forget it” attitude can expose investors to bad data and failed strategies.

Wall Street Horizon, Historical Archived Events Data

Independent academic research shows that corporate events - their timing and revisions - cause volatility in stocks and options. For example, a recent study from Northwestern that used Wall Street Horizon data, found that firms which announce in the pre-open have higher abnormal volatility following the announcement relative to firms that announce in the post-close.

Windward, Windward Technology Platform

The UN Security uses our technology to discover vessels that are helping North Korea evade sanctions. Marine insurers likewise use our tech to target and price risk more accurately, to build technical pricing models and to ensure vessels they insure are complying with sanctions.

Woodseer / Investment Tools Ltd, Woodseer Dividend Forecast Data

Three key use cases are a) stock selection / evaluation, b) income planning, and c) options pricing. Examples of each: Example 1: a major asset servicing/custodian bank uses our forecast data to advise their clients (fund managers) re how much / what income they can expect in the coming relevant time period. Example 2: a major UK index provider uses our JP and KR forecasts for calculation of relevant indices. Example 3: a Chicago based leading market maker uses our forecast ex-div dates and amount of pricing.

YipitData, Carmax & Carvana

Is same store sales growth inflecting and how does it compare to consensus? Is CVNA gaining market share? Does discounted inventory drive sales?

YipitData, Apple

How is the iPhone upgrade cycle performing in China? Is there demand for the latest flagship product or is there a lengthening of the replacement cycle? Are iPhone users churning to non-Apple products, thus jeopardizing the Services business in APAC? Are Apple Music subscribers migrating to competing music streaming services? Is the App Store business at risk of disintermediation?

YipitData, Auto Marketplaces (CARG, CARS, AUTO)

Are dealers shifting spend from one platform to another? Is CARS losing

share to CARG in the US? Is CARG gaining share against LON:AUTO in the UK? Which platform generates the most leads? How are monthly gross dealer churn and add rates trending and do they skew toward larger or smaller dealers? How does organic SEO performance compare between TRUE, Autotrader, CARS, and CARG?

YipitData, Alibaba (BABA)

As the largest player in China ecommerce, how is BABA performing amid various macroeconomic conditions? What are the key drivers of BABA's core ecommerce growth? How is BABA reacting to competitions from other players? Is JD taking shares from BABA in FMCG space? How big of a threat is Pinduoduo to BABA? How does consumer behavior and merchant concentration change over time in the face of macro conditions, mobile app upgrades or the new ecommerce law? How are category mix affecting overall commission take rate and what are sequential drivers of Commission Revenue?

YipitData, Bilibili (BILI)

How healthy are Bilibili's core online video and live broadcasting platforms? Will the company be able to further grow its mobile gaming business?

YipitData, China Education (EDU & TAL)

Are enrollment growth rates slowing? How much runway do EDU and TAL have for further geographic expansion? What impact are new government regulations having on the business? Where are margins headed?

YipitData, China Express Shipping (BSTI, JD, ZTO)

Company parcel volume broken out by: origin & destination by city, city tier, province. Total industry shipping volume ahead of the China State Post Bureau's monthly release. Average delivery times. Daily volume estimates. Market share analysis.

YipitData, China Hotels (HTHT & GHG)

What is the progress of HTHT's mid-to-upscale shift? How is it impacting RevPAR? How is HTHT improving same-hotel RevPAR? How accretive are recent acquisitions? At what rate are closures offsetting inventory gains?

YipitData, China Video (MOMO, YY, HUYA, IQ, Tencent, Youku)

Concentration risk - what % of virtual gift spending come from top streamers and top paying users? Are there any changes over time? What is the monthly churn on each platform? Update clients on new original, licensed and exclusive content.

YipitData, China OTAs (CTRP & Meituan)

How successful has CTRP been entering lower tiered cities? Is Meituan capturing share from CTRP in higher quality inventory? Is Meituan undercutting CTRP in pricing on cross-listed inventory? How accretive are exclusive properties compared to cross-listed? How is the mix shift in demand towards lower tiered cities impacting CTRP's average selling price (ASP)? What is the contribution of CTRP's international inventory? Is this inventory offsetting ASP dilution from the shift to lower tier domestic markets? Is demand in lower tier cities mostly coming from offline stores or is online penetration increasing?

Appendix 5 – Vendor Surveyed Product Use Cases

YipitData, Brands in China

Monthly estimates of GMV, units sold, ASP and active listings by category, by brand, and by merchant for the respective brands. Data down to the SKU level.

YipitData, Salvage Auctions (CPRT & KAR:IAA)

How healthy are organic growth trends at CPRT & IAA, excluding volumes from major catastrophic weather (CAT) events, contract wins, and acquisitions? How are CPRT & IAA unit sales tracking relative to consensus this quarter? Is market share shifting between CPRT and IAA and how do these dynamics differ by geography? Are shared sellers shifting volumes toward one platform over another? How quickly is salvage auction pricing growing? Could it continue to accelerate? Have any major sellers moved to exclusive contracts with either IAA or CPRT? How quickly are volumes growing by seller and seller type? Is industry-wide salvage volume growth inflecting? How is repair cost growth trending relative to retail value growth?

YipitData, Eventbrite (EB)

What is Eventbrite's paid ticket growth? What is creator churn? Are international markets driving growth? Is Eventbrite moving into higher-dollar events?

YipitData, eBay (EBAY)

What are the key drivers behind eBay's growth in the U.S. and International? How is eBay faring against its main competitors in the U.S.? How are management's key strategic initiatives such as structured data, guaranteed delivery and product pages performing? How are monetization initiatives such promoted listings and intermediated payments performing?

YipitData, Etsy, Inc. (ETSY)

What are the key drivers behind GMS growth? How is Etsy's initiative to reduce shipping prices faring? How are sellers reacting to the changes on the marketplace? How will important events such as the implementation of the online sales tax impact Etsy?

YipitData, FedEx & LTL Shipping (ODFL, SAIA, YRCW, XPO, FDX)

Monitoring monthly developments in LTL shipments and weights for each company and for the LTL industry as a whole. Understand regional expansion. Monitor monthly developments in shipments for each segment of FedEx.

YipitData, Groupon (GRPN)

Track changes to billings and average selling prices by category, region and city. Analyze merchant specific promotions, deals, and churn. Monitor the impact of Groupon+ initiative.

YipitData, US Delivery (GRUB, Uber Eats, DoorDash, Postmates)

How is managed delivery impacting GRUB's P&L? How well is GRUB retaining diners, both in its legacy footprint and in expansion markets? How are chain restaurant partnerships impacting the delivery space? Is

GRUB successfully expanding into smaller cities? What's the competitive threat from Uber Eats and other platforms (Amazon, DoorDash, Postmates, etc)?

YipitData, InterActiveCorp/Match (ANGI, IAC, MTCH)

How quickly is service professional supply growing? How are service requests trending and which categories are driving growth? How is Tinder's new revenue product tracking? How fast is Tinder's competition growing, and what is the effect on Tinder subscribers? What are the retention metrics for 6 and 12-month Tinder Gold vs. Plus subscriptions what does this imply for 2H18 results?

YipitData, Intl Delivery: JE, DHER, TKWY, Deliveroo, UberEats

Comprehensive global inventory. Granular international restaurant data. Monthly updates on restaurant growth and churn. Timely reports on relevant news items.

YipitData, JD.com (JD)

What are the key drivers behind JD's growth of the 1P and 3P businesses? Is JD still posting pressure on BABA in areas such as Apparel and FMCG? What's the impact of JD/VIPS partnership? How big of a threat is Pinduoduo to JD? How is JD's logistics network performing compared to other express shippers? How well is the JD logistics service penetrated among 3P merchants?

YipitData, Lithia Motors (LAD) & Shift

Monitor LAD's pricing and volume on a regular basis. Monitor store productivity at recently acquired dealership groups and compare growth across rural vs. urban markets.

YipitData, MercadoLibre (MELI)

What are the key drivers behind MELI's growth of the ecommerce business in the different markets? How is MELI faring in its endeavor to increase repeat buying? What is the impact of competition on MELI? How are MELI's investments into building its logistics network performing? How is MELI's free shipping initiative faring? How do important events impact the fundamentals of MELI business? How is MELI's POS terminal business performing in Brazil (in development)?

YipitData, Mercari (TYO:4385)

Is Mercari successfully expanding in the United States? What categories are driving GMV growth? How is GMV growth in Japan trending over time? What is the impact of holidays or promotions on GMV growth? How is Mercari performing relative to other C2C marketplaces in the United States?

YipitData, PayPal (PYPL)

How is Venmo TPV trending and what are the key drivers for the same? How quickly are Venmo's monetization initiatives - Pay With Venmo, Instant Transfer - growing? How is U.S. online merchant acceptance of PYPL trending relative to its main competitors?

Appendix 5 – Vendor Surveyed Product Use Cases

YipitData, Redfin (RDFN)

Monitoring growth of brokerage transactions and revenue. Understanding brokerage vs. partner take rates. Track the growth of various brokerage agent cohorts. Understanding the scalability of the business model through analyzing agent productivity over time.

YipitData, Shopify (SHOP)

What are merchant gross adds and total merchant count each month and what is the distribution by join month cohort? How are current churn rates by join month cohort trending relative to historically observed churn curves? Given these retention curves, what rate of monthly gross adds and MRR per merchant growth must Shopify achieve in order to meet year-end consensus estimates?

YipitData, SEA Limited (SE)

How is Shopee's subsidization of free shipping impacting GMV growth? What countries and categories is Shopee most exposed to? What types of shops are driving GMV growth? How is Shopee Indonesia performing relative to competitors? How is user adoption of Garena's mobile games trending across different markets?

YipitData, Tencent Music (TME)

What is the makeup of TME's reported revenue segments? How do TME's live streaming platforms compare to other major players like YY and MOMO? Which music platform, and which social entertainment platform is driving growth? How engaged are users on TME's core music platform, QQ Music? How is TME's paywall strategy trending for QQ Music? How is the Company executing its paywall strategy? How is WeSing's "multi-mic" room fairing? What is the incremental virtual gift contribution from this initiative?

YipitData, OTAs (BKNG, EXPE, Airbnb)

Will EXPE's inventory initiative re-accelerate room night growth? What is BKNG's market share in Europe and is it reaching saturation? Where do HomeAway monetization efforts stand; has EXPE returned to focusing on inventory growth? What is the competitive threat from Airbnb? Are the major hotel brands' book direct efforts impacting the OTAs?

YipitData, U.S. Airlines (ALGT, JBLU, UAL)

Monitor meaningful changes to Average Fare curve growth on an aggregate and granular basis. Understand pricing and traffic trends for future quarter PRASM performance. Insights into segmented pricing performance.

YipitData, U.S. Ridesharing (Uber & Lyft)

Is Lyft taking share from Uber in the U.S.? How are new services such as Pool / Line contributing to growth and how profitable are these initiatives? How loyal are riders to each platform and how does user behavior shift as rider cohorts age?

YipitData, Video Games (ATVI, EA, TTWO, UBI)

Which video games are experiencing the strongest pre-order bookings vs. last year? Are any games experiencing a sharp drop off in units sold post release? After customers purchase a game title, how much do they subsequently spend and are they shifting spend towards other games? How many games does the average paying player spend money on? Are spenders loyal to a franchise, or do they switch games multiple times throughout the season?

YipitData, RightMove (RMV, PURP, RDFN)

Track RMV's Advertiser count KPI, and the mix shift toward less-sticky New Home Construction customers. RMV Monetization via % of Featured Listings. RMV customer concentration and market shares of other publicly traded UK estate agencies. Track PURP's new monthly listings (instructions) and market share in the UK. Track Net New Pending Sales, Properties Sold, and U.S. Buy-Side Transactions.

YipitData, Vipshop Holdings (VIPS)

Forecast Total Orders and Total Net Revenue vs. Guidance. 1) Quantify Seasonality and Promotions. 2) Understand the business impact of the JD and Tencent investment in VIPS. Measure buyer geographic distribution. 3) Understand logistics quality through delivery speeds.

YipitData, Zillow (ZG)

What is the underlying growth/churn of agents participating in the Premier Agent (PA) platform? And how has the Lead Validation program rollout impacted PA churn? What is the distribution of revenue amongst Premier Agents and which agent cohorts are driving PA revenue growth? How are Premier Agent commissions growing in relation to spend and how has increasing cost per lead impacted PA return on investment (ROI)? How is the Homes Segment (iBuyer) growing relative to management expectations? How is Zillow Offers performing compared to the industry incumbent, OpenDoor, across relevant industry metrics?

ZestFinance, ZAML (Zest Automated Machine Learning)

ZAML tools are used by many of the world's most innovative banks to reduce credit risk, increase approvals, and grow lending revenue.

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