

Data for Quant Research



LSEG DATA &
ANALYTICS

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LSEG Data & Analytics content for quant research

LSEG Data & Analytics is a trusted partner that helps quant analysts optimise their quantitative research and modelling workflow. We combine premier content, specialised analytics and a robust data management platform that provides quants with a high-quality, fully normalised database – so you can focus resources on creating, testing and implementing strategies.

Our content is global and covers all the financial data quants need for research, to take an idea from generation through backtesting and analysis, and then on to production. Beyond economic and financial data, we give you access to breaking news, environmental, social and governance (ESG) performance, and corporate guidance.

Many of our data sets are point-in-time with the deepest and broadest history in the industry.

LSEG StarMine quantitative models

LSEG StarMine is dedicated to making investment research smarter. Analytics and equity research tools like our suite of quantitative models help investment professionals around the globe generate alpha and process equity information more efficiently, so they can get ideas to market faster. StarMine Quantitative Models are stock selection factors grounded in sound economic intuition and developed using best-in-class modelling techniques. These robust models span regions, sectors and market environments to help you achieve higher returns across a spectrum of investment styles.

Differentiators

- **Performance**
StarMine has a rich history of building innovative and profitable stock selection factors
- **Strict research methodology**
StarMine models are grounded in fundamental economic intuition, backed by rigorous research and thorough testing
- **Clear-box approach**
StarMine provides you with stock selection factors as well as underlying inputs so you enjoy flexible, customisable implementation
- **Best-in-class data**
Our models are built using the LSEG Institutional Brokers' Estimate System (I/B/E/S®), LSEG Financials and other LSEG Data & Analytics content sets that play an integral role in key decision-making across the financial industry

StarMine models

Package	Coverage	Delivery platform	Update frequency	History
StarMine SmartEconomics Model	Global – 670 economic indicators 50 countries 50 exchange rates	File Transfer Protocol (FTP)	Daily updates	History back to 1998 for North America, 2004 for Europe, 2006 for Asia-Pacific and 2010 for Latin America and MEA
Combined Alpha Model (CAM)	Global – 31,000 companies covered	LSEG Quantitative Analytics LSEG Quantitative Analytics in the cloud FTP	Daily updates	Monthly and daily history going back to 1998
Value-Momentum (Val-Mo)	Global – 30,000 companies covered	LSEG Quantitative Analytics FTP	Daily updates	Monthly history going back to 1998 Daily history going back to October 2009
Analyst Revisions Model (ARM): includes consensus SmartEstimate® measures of earnings per share (EPS), Earnings Before Interest, Taxes, Depreciation and Amortisation (EBITDA) and revenue	Global – 17,500 companies covered	LSEG Quantitative Analytics FTP LSEG Data Platform	Intraday	Monthly and daily history, with monthly going back to 1995 and daily going back to 1998 FTP StarMine SmartEstimate history available back to 1998 LSEG Quantitative Analytics SmartEstimate history going back to 2009
Price Momentum (Price Mo)	Global – 29,000 companies covered	LSEG Quantitative Analytics FTP	Daily updates	Monthly and daily history going back to 1998
Intrinsic Valuation (IV) and Relative Valuation (RV)	IV: global – 21,000 companies covered RV: global – 38,000 companies covered	LSEG Quantitative Analytics FTP	Daily updates	Monthly history going back to 1998 Daily history going back to January 2009
Earnings Quality (EQ)	Global – 38,000 companies covered	LSEG Quantitative Analytics FTP	Daily updates	Monthly and daily history going back to 2000

Package	Coverage	Delivery platform	Update frequency	History
Smart Holdings	Global – 40,000 companies covered	LSEG Quantitative Analytics FTP	Daily updates	Monthly and daily history going back to 2000
Short Interest (SI)	US only – 4,700 companies covered	FTP	Daily updates	Monthly and daily history going back to 2004
Insider Filings	US only – 5,700 companies covered	FTP WRDS	Daily updates	Monthly and daily history going back to 1998
Structural Credit Risk (SCR)	Global – 36,700 companies covered	LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud FTP LSEG DataScope Select (DSS)	Daily updates	Monthly and daily history going back to 1998
SmartRatios Credit Risk (SRCR)	Global – 41,100 companies covered	LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud FTP DSS	Daily updates	Monthly and daily history going back to 1998
Text Mining Credit Risk (TMCR)	Global – 33,000 companies covered	LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud FTP DSS	Daily updates	Monthly and daily history going back to 2002
Combined Credit Risk (CCR)	Global – 44,000 companies covered	LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud FTP DSS	Daily updates	Monthly and daily history going back to 1998
MarketPsych Media Sentiment	30,000 public and private global stocks	LSEG Quantitative Analytics (US data only) FTP	Daily updates	History going back to 1998

Discover more about [StarMine Quantitative Models](#):

[SmartEconomics Model](#)

[Price Momentum](#)

[Smart Holdings](#)

[SmartRatios Credit Risk](#)

[Combined Alpha Model](#)

[Intrinsic Valuation](#)

[Short Interest](#)

[Text Mining Credit Risk](#)

[Value Momentum](#)

[Relative Valuation](#)

[Insider Filings](#)

[Combined Credit Risk](#)

[Analyst Revisions Model](#)

[Earnings Quality](#)

[Structural Credit Risk](#)

[MarketPsych Media Sentiment](#)

LSEG I/B/E/S Estimates

Analyst forecasts on company performance expressed via more than 260 consensus measures, including EPS, sales and net income.

Differentiators

I/B/E/S is the highest-quality, most granular and transparent estimates provider. We offer industry-leading coverage, with decades more history and experience (1976 US), hundreds more brokers (over 900), and thousands more companies (more than 22,000) – especially in emerging markets – for the most complete view of the market. Plus, we offer analytics not available anywhere else – like StarMine SmartEstimates, StarMine Analyst Ratings and Predicted Surprises.

Coverage

Global database of 22,000 active companies and more than 900 brokers across more than 260 key financial measures (70 company-specific measures and 150 industry-specific KPIs); includes StarMine SmartEstimates.



Package	Coverage	Delivery platform	Update frequency	History
I/B/E/S Real-Time: includes all SmartEstimates measures	Global	TIBCO (XML messages) FTP (Initialisation files)	Real time	Full history from 1980s SmartEstimates history begins in 2012
I/B/E/S Current: end of day and intraday updates. SmartEstimates for EPS, EBITDA and revenue	Global	FTP LSEG Quantitative Analytics DSS *LSEG Datastream® Data Loader (DDL)	End of day and intraday	Current FTP and LSEG Quantitative Analytics have more than 260 measures Other platforms have 30 measures
I/B/E/S Point-in-Time: daily snapshots of historical data using an array of dates and time stamps	Global	FTP	Weekly	History as far back as 1976 (US) and 1987 (non-US)
I/B/E/S Historical: full time series data back to 1976 and coverage of companies outside the US dating back to 1980s	Global	LSEG Quantitative Analytics* DDL*, WRDS	Full history delivered once a month	As far back as 1976
I/B/E/S Daily Means	Global	LSEG Quantitative Analytics	End of day	Consensus estimates back to 2001
I/B/E/S V2: more than 260 measures including KPIs; includes SmartEstimates for all measures	Global	LSEG Quantitative Analytics (updates every 15 minutes)	Synchronised detail, consensus and preliminary estimates are updated for global stocks every day, including weekends	1980s – US markets 1987 – Other regions LSEG Quantitative Analytics I/B/E/S V2 SmartEstimates history for all measures available from 2012

*Partial coverage only

Discover more about: [I/B/E/S Estimates](#)

LSEG I/B/E/S Guidance

Provides comments directly from corporate management about future company expectations. These forward-looking statements focus on sales or earnings expectations in light of industry trends, allowing detailed valuation of a company's earnings potential and outlook picture.

Package	Coverage	Delivery platform	Update frequency	History
Current and historical – US Current and historical – Global	Global Quantitative guidance across 14 measures, including EPS, net income, sales and operating profit	LSEG Quantitative Analytics FTP, WRDS	Current files are available four times per day Historical files are available once a week every Friday	1994
I/B/E/S Real-Time	Global As reported guidance for 110 measures. Includes qualitative data (textual guidance) along with quantitative as reported values. The 'As Reported' guidance is available for KPIs and segments Quantitative comparable guidance for 18 measures	TIBCO (XML messages) FTP (initialisation files)	Real time	2002 for As Reported 2006 for Comparable

LSEG I/B/E/S Global Aggregates

Provides bottom-up sector and industry earnings forecasts plus related data.

Package	Coverage	Delivery platform	Update frequency	History
LSEG I/B/E/S Global Aggregates	Global Covers 56 countries and major international indices, including FTSE, MSCI, S&P, Russell and TOPIX	LSEG Quantitative Analytics, DDL, Datastream Web Services (DSWS), FTP, WRDS	Weekly and monthly	As far back as 1985



LSEG Worldscope Fundamentals

Standardised statement data – both interim and annual – along with per-share data, calculated financial ratios, company profile information, security data, LSEG Data & Analytics Officers and Directors, and market content for over 101,000 issuers.

Differentiators

Market-leading global coverage encompasses companies trading in over 125 markets, representing more than 96% of the world's market cap. Coverage includes the fastest-growing frontier markets, not covered by the competition. Point in Time offers global, as-of content to support backtesting of investment strategies.

Package	Coverage	Delivery platform	Update frequency	History
Global	Global – provided in four main industry-based templates (industrial, banks, insurance and other financials). Covers more than 55,600 active and 45,300 inactive companies, representing more than 125 established and emerging markets and nearly 96% of global stock market value	LSEG Quantitative Analytics FTP WRDS	Daily end of day	As far back as 1980
Custom	Global – all companies, data items and history available as above; cut is based on client requirements	DDL	Daily updates	
Point-in-Time	Global – annual and interim financial statement data (income statement, balance sheet and statement of cash flows). Point date is based on when data becomes available in the Company Fundamentals data feed	LSEG Quantitative Analytics FTP	Daily updates	Same as Global, but with monthly point dates from September 1992 to September 1999, weekly point dates from October 1999 to 25 August 2006, and daily point dates since August 2006

Discover more about: [LSEG Worldscope Fundamentals](#)

LSEG Business Intelligence

Business Intelligence offers in-depth qualitative information about companies around the world to enhance investment selection. Our database currently contains global data on over 113,000 companies, of which 80,000 are active companies. Keep abreast of markets worldwide through reports that identify key business people (and corporate affiliations) and provide a detailed overview of a company's business, competition and industry.

Officers and Directors is one of the most comprehensive databases of public company executives and directors in the world. The database features profiles for key decision-makers from publicly-traded companies, with over 20 years of employment and compensation history. We capture more than 1.75 million total officers and directors, representing 1.2 million unique people, from over 78,000 companies. Data elements include names, full title histories, biographies, education, corporate affiliations, committees served on and compensation, presenting a complete view of a person. In addition to public company data, we capture the names and titles of over 100,000 officers and directors from private companies.

Package	Coverage	Delivery platform	Update frequency	History
Business Intelligence	Officers and Directors: global 108,000 total, 76,000 active companies	LSEG Quantitative Analytics FTP LSEG Knowledge Direct (RKD) API	Intraday (every four hours); end of day; weekly refresh	North America (NA) – 1998, ex-NA 2003
	Major customers: global 18,700 total, 14,400 active companies	LSEG Quantitative Analytics FTP RKD API	End of day; weekly refresh	1997
	Competitors: US only 18,200 total, 9,800 active companies	LSEG Quantitative Analytics FTP RKD API	End of day; weekly refresh	Current only
	Long business descriptions: US only 28,000 total, 14,600 active companies	LSEG Quantitative Analytics FTP RKD API	End of day; weekly refresh	Current only
	Reference information: global 128,800 total, 80,000 active companies	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Current only

Package	Coverage	Delivery platform	Update frequency	History
	General information: global 113,000 total, 80,000 active companies	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Current only
	Multiple language short business descriptions: global 96,200 total, 52,900 English	FTP	End of day; weekly refresh	Current only

Discover more about: [Officers & Directors data](#)

LSEG Financials

Standardised and as-reported financial statement data – both interim and annual – along with per-share data, calculated financial ratios, company profile information, security data, Officers and Directors and market content for over 128,800 issuers.

Differentiators

Market-leading global coverage encompasses companies trading in over 169 exchanges, representing more than 99% of the world's market cap. Coverage includes the fastest-growing frontier markets, not covered by the competition. Point-in-Time offers global, as-of content to support backtesting of investment strategies.

Package	Coverage	Delivery platform	Update frequency	History
Standardised Fundamentals	Standardised: aggregated line items to provide a standard view of the company Global coverage	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	North America – 1983; ex-NA – 1997 Interim: NA 1989; ex-NA 2000
	Analytics: pre-calculated ratios based on company standardised financials Global coverage	LSEG Quantitative Analytics FTP RKD API	Daily	Current only
	Reference information Global coverage 128,800 total, 80,000 active companies	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Current only
	General information Global coverage 113,000 total, 80,000 active companies	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Current only
Standardised and As Reported Fundamentals	As Reported: all items from the income statement, balance sheet and cash flow. Provides all financial line items reported on the annual and interim financial statements Global coverage	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	North America – 1983; ex-NA – 1997 Interim: NA 1989; ex-NA 2000
	Business and Geographic Segments: information for each segment reported by a company on an annual and interim basis Global coverage	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Annual 1998 Interim 2000

Package	Coverage	Delivery platform	Update frequency	History
Standardised and As Reported Fundamentals	Analytics: pre-calculated ratios based on company standardised financials Global coverage	LSEG Quantitative Analytics FTP RKD API	Daily	Current only
	Reference information Global coverage 128,800 total, 80,000 active companies	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Current only
	General information Global coverage 113,000 total, 80,000 active companies	LSEG Quantitative Analytics FTP RKD API	Intraday (every four hours); end of day; weekly refresh	Current only
Point-in-Time add-on to Standardised	Point-in-Time: annual and interim financial statement data (income statement, balance sheet and statement of cash flows). Point dates are based on the source date Global coverage	LSEG Quantitative Analytics FTP	End of day; weekly refresh	Annual: North America – 1983; ex-NA – 1997 Interim: NA 1989; ex-NA 2000

Filings

Top three facts

- Largest, most consistent and authoritative source for global public company corporate disclosure. Through our former exclusive relationships with the US Securities and Exchange Commission (SEC), Filings provides unrivalled depth and access to unique US historical documents, including annuals, insider reports and pricing supplements
- Filings' global network of local experts results in unique coverage and unrivalled timeliness, with same-day availability of most documents
- Sourcing from LSEG Data & Analytics provides global coverage for over 130 developed and emerging markets. Within the database of record, there is up to 50 years of history and 34 million documents in more than 20 languages

Unique characteristics

- Automated Web-scraping tools and direct document feeds ensure faster turnaround of 10 minutes or less
- Standardised Electronic Data Gathering, Analysis, and Retrieval (EDGAR) tags for easy navigation, including Filer Status and Document Title
- Display of SEC Delta reports
- OCR/CVISTA for scanned documents
- Documents available in multiple formats including XBRL, HTML and PDF

Scope and coverage

- Coverage includes all US and global exchanges, including partial coverage of private companies, US municipal bonds and fixed income-related documents
- Hundreds of document types, including annual and quarterly reports, equity and fixed income prospectuses, municipal bonds, mergers and acquisitions (M&A), ownership and other regulatory filings
- 130 countries; 20 languages
- 65,000 global companies; 14,000 SEC companies (active); 7,500 private companies and growing
- 2.8 million documents sourced in 2016; 7,300 filings collected on average every day
- More than 20,000 documents captured in a given peak day

Package	Coverage	Delivery platform	Update frequency	History
Filings	Global	RKD API	Hourly, real time	1968

Discover more about: [Filings from LSEG Data & Analytics](#)

Insider

Data on equity transactions by individuals and institutions classified as insiders – officers, directors, people with a policy-making role in a company, or beneficial owners of a company’s stock, who are required by their respective governments or regulatory agencies to report direct or indirect holdings.

Package	Coverage	Delivery platform	Update frequency	History
US: active insider filers include over 8,700 companies and over 437,000 owners	United States	LSEG Quantitative Analytics FTP DSS	Daily updates	1986
Canada: active insider filers include over 3,400 companies and 63,000 owners	Canada	LSEG Quantitative Analytics FTP DSS	Daily updates	October 2003
UK: more than 27,000 active filers and approximately 373,000 directors’ dealings	United Kingdom	LSEG Quantitative Analytics FTP DSS	Daily updates	1998
Asia: insider holdings data processed for all listed securities. Coverage amounts to ~302,000 insiders and ~15,600 listed stocks	India, Singapore, Taiwan, Hong Kong, China and Australia	LSEG Quantitative Analytics FTP DSS	Daily updates	As far back as 1997; most comprehensive history from 2008

Ownership

Global consolidated ownership. Comprehensive collection of global institutional holdings data. Coverage spans 13F institutions, mutual, pension and insurance funds, declarable stakeholders and UK share registers.

Differentiators

Our unique depth of historical holdings data enables clients to understand ownership trends over time, which is essential for validating investment models.

Package	Coverage	Delivery platform	Update frequency	History
OP global equity ownership	Global owners of securities trading in more than 70 countries; consolidated view of equity ownership for global securities	LSEG Quantitative Analytics FTP RKD API	Daily – current view Weekly – eight-quarter view Quarterly – full history view	Back to 1997
OP equity ownership – Americas	Global owners of securities trading in the Americas	FTP	Daily – current view Weekly – eight-quarter view Quarterly – full history view	Back to 1997
OP equity ownership – Asia	Global owners of securities trading in Asia-Pacific	FTP	Daily – current view Weekly – eight-quarter view Quarterly – full history view	Back to 1997
OP equity ownership – EMEA	Global owners of securities trading in the UK and Europe, Middle East and Africa (EMEA)	FTP	Daily – current view Weekly – eight-quarter view Quarterly – full history view	Back to 1997
Ownership V2	Global owners of securities trading in more than 70 countries; unconsolidated view reflecting all as reported holdings filings collected by LSEG Data & Analytics Ownership, including mutual fund content; features split-adjusted and unadjusted presentation and new analytics data	LSEG Quantitative Analytics	Every 30 minutes	1997

Discover more about: [Ownership data](#)

LSEG eMAXX

An ASCII feed of LSEG eMAXX data will provide you with fixed income holdings and ownership data that can be incorporated into your proprietary in-house applications. View holdings of institutional fixed income investors in 33 countries throughout North America, Europe and Asia. View holdings of over 2,500 managing firms, with more than \$19 trillion in assets under management, among US and European insurance companies, pension funds and US, Canadian and European mutual funds. Over \$7 trillion in total fixed income par amount. Coverage of over 50,000 fixed income issuers and of over 500,000 individual fixed income securities, more than 1.8 million securities positions, and holdings of nearly 17,000 insurance companies, mutual funds and pension funds.

Key profile data elements

- Detailed asset breakdown
- Portfolios under management
- Investment decision-makers
- Contact details including email addresses and direct-dial phone numbers

Key bond holdings data elements

- Par amount and net change
- US insurance company transaction activity
- Issuer name or ticker
- Range or structure
- Credit sector
- Instrument or collateral type
- Currency or issuer location
- Ratings
- Private placement type

eMAXX coverage

Investors located in North America, Europe and Asia in the following market sectors:

eMAXX markets

- ABS – including collateralised debt obligation (CDO) and covered bonds
- Corporate – high yield and investment grade
- Government – sovereign and government agency
- Mortgage-backed security (MBS) – agency and private label pass-through, collateralised mortgage obligation (CMO), commercial mortgage-backed securities (CMBS) and residential mortgage-backed securities (RMBS)
- Regional/municipal – US municipal and international cities, states and provinces
- Private placement – 144A and non-144A
- Emerging markets

The eMAXX Match module

The eMAXX Match module instantly loads client portfolios viewable only by users at your firm, placing all holdings information in one powerful, easy to search database.

- Organise client and prospect holdings
- Assign internal sales coverage to each firm
- Identify holders of bonds you want to trade
- Communicate trade information
- Benefit from flexible delivery and integration

Data highlights

- Profile information on over 7,000 buy-side firms, representing \$22.3 trillion under management
- Holdings for US and some European insurance companies, US mutual funds and top public pension funds and European, Canadian and Asian mutual funds
- Coverage of more than 50,000 fixed-income issuers, over 500,000 bonds and 1.8 million individual positions
- Over \$7 trillion in total fixed income par held in more than 19,000 funds, each linked to firms and investment professionals

All eMAXX data is also available in Eikon and as a data feed, enabling you to import the data directly into your own system for customised needs.

Company profiles

Institutional and professional profile data for buy-side and sell-side institutions and contacts.

Differentiators

Our shareholding and firm profiles content is the industry standard for breadth, accuracy and timeliness. With more than 30 years of experience, our commitment to quality is supported by strong relationships with investment firms, registrars and local stock exchanges.

Coverage

More than 200,000 investment management and investment research professionals at 26,000 institutions.

PACKAGE	COVERAGE	DELIVERY PLATFORM	UPDATE FREQUENCY	HISTORY
Buy-side, sell-side or both	Global	LSEG Quantitative Analytics FTP	Daily refresh	Current only

LSEG Deals

LSEG Deals content includes transactions relating to global equity, fixed income, M&A, syndicated lending, joint ventures, repurchases, corporate takeover defense and shareholder activism. The database includes more than 4 million transactions in 220 nations and features thousands of data items illustrating the entire deal lifecycle.

Mergers and acquisitions

- Over 1.3 million global deals from the 1970s to present
- More than 373,000 US M&A deals
- More than 1,285,000 international M&A deals
- More than 1,000 fields are captured by mining thousands of sources and contributions from more than 2,000 advisor desks
- Industry-leading timeliness, with deals available in product within 60 minutes of announcement
- Available via data feeds, LSEG Quantitative Analytics, Securities Data Company (SDC) Platinum, LSEG Deals Business Intelligence, T1 and Eikon

New issues (equity and debt)

- Global coverage from the 1970s to present
- Over 1 million debt new issue deals
- Over 394,000 equity new issue deals
- More than 550 fields are captured by mining thousands of sources and contributions from more than 2,000 advisor desks
- Available via data feeds, SDC Platinum, Deals, Business Intelligence, T1 and Eikon

Global syndicated loans

- Global coverage from 1965 to present
- Over 369,000 loan deals
- More than 300 fields are captured by mining thousands of sources and contributions from more than 2,000 advisor desks
- Available via data feeds, SDC Platinum, Deals, Business Intelligence, T1 and Eikon

Project finance

- Global coverage from 1972 to present
- Over 32,500 project finance deals
- More than 524 fields are captured by mining thousands of sources and contributions from advisor desks
- Available via data feeds, T1 and SDC Platinum

Repurchases

- Global coverage from 1986 to present
- Over 38,000 repurchases (buyback deals)
- More than 180 fields are captured by mining thousands of sources and contributions from over 2,000 advisor desks
- Available via data feeds and SDC Platinum



Joint ventures and strategic alliances

- Global coverage from 1985 to present
- Over 200,000 joint venture and strategic alliance deals
- More than 100 fields are captured by mining thousands of sources and contributions from over 2,000 advisor desks
- Available via SDC Platinum

Municipals

- Global coverage from 1966 to present
- Over 646,000 municipal deals
- More than 180 fields are captured by mining thousands of sources and contributions from over 2,000 advisor desks
- Available via data feeds and SDC Platinum

Corporate governance

- Global coverage from the mid-1980s
- Over 12,500 poison pill records
- Over 5,500 proxy fight records
- More than 500 fields are captured by mining thousands of sources and contributions from legal and financial advisor desks
- Available via data feeds, SDC Platinum, T1 and Eikon

Private equity

- Global coverage from 1969
- Over 363,000 deals
- Capture details on private equity-backed companies as well as private equity funds and firms
- More than 400 fields are captured by mining thousands of sources and contributions from over 400 private equity funds
- Available via data feeds, T1 and Eikon

Feed Type	Frequency	Delivery platform	History option	# Of deals in 2020	Total deals	History start	Fields in feed	Total fields in DB
Global debt new issues	Daily	FTP LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud	Daily, 10 years or 20 years	47,932	1,035,000+	1954	57	542
Global equity new issues	Daily	FTP LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud	Daily, 10 years or 20 years	19,929	394,000+	1970	70	598
Global IPOs	Daily	FTP LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud	Daily, 10 years or 20 years	4,220	89,000+	1970	70	598
Global M&A	Daily	FTP LSEG Quantitative Analytics	Daily, 10 years or 20 years	53,867	1,285,000+	1967	92	1,329
US M&A	Daily	FTP LSEG Quantitative Analytics	Daily, 10 years or 20 years	13,138	373,000+	1971	92	1,329
M&A consideration	Daily	FTP LSEG Quantitative Analytics	10 years	8,022	219,000+	2010	18	1,329
M&A history event	Daily	FTP LSEG Quantitative Analytics	10 years	8,022	219,000+	2010	10	1,329
M&A arbitrage pricing	Daily	FTP LSEG Quantitative Analytics	10 years	873	9,000+	2010	14	1,329

Feed Type	Frequency	Delivery platform	History option	# Of deals in 2020	Total deals	History start	Fields in feed	Total fields in DB
Municipals	Daily	FTP	All history	17,799	646,000+	1966	89	181
Syndicated loans	Daily	FTP	Daily, 10 years or 20 years	17,103	369,000+	1965	78	349
Poison pills	Weekly	FTP	All history	84	12,500+	1983	35	206
Proxy fights	Weekly	FTP	All history	470	5,500+	1987	43	305
Project finance	Daily	FTP	All history	2,275	32,500+	1972	Custom	524
Repurchases	Daily	FTP	All history	1,203	38,000+	1986	42	180
Private equity	Weekly	FTP	10 years or 20 years	18,946	363,000+	1969	144	437
Intraday for global M&A	Intraday	FTP LSEG Quantitative Analytics	20 years	–	–	–	–	–

Deal counts are as of 1 January 2020.

Arbitrage feed is free when M&A Standard and M&A Considerations are purchased.

Deals, mergers and acquisitions are also available in DSS.

Discover more about: [Deals data from LSEG Data & Analytics](#)

Aftermarket Research

Access the world's most comprehensive database of aftermarket research reports

Written by analysts at more than 1,800 sell-side research departments and independent research firms dating back to 1982, aftermarket research collections from LSEG Data & Analytics offer authoritative analysis of companies, industries, products and markets across the globe. The reports, embargoed for an average of seven days from publication, provide unique insight, including forecasts and opinions, from the most sought-after industry experts – including sources not available from any other distributors.

- **Broker/investment research reports** – from the major global banks and regional, local and boutique firms
- **Independent research reports** – from non-brokerage outlets
- **Market research reports** – from the world's top-rated and most renowned market research firms
- **Fundamental research** – company details covering over 45,000 companies
- **Fixed-income research** – including ratings agencies

LSEG Embargoed Research collection

Available on a subscription basis, the LSEG Embargoed Research aftermarket research collection contains research from over 1,900 contributors and 30 million research documents – ensuring that you have the most comprehensive views to hand so you can make confident decisions.

Market research collection

The market research collection includes pay-per-view, in-depth primary research and statistics, interviews with industry leaders, survey results, forecasts, market size and share data, and market segment analysis. More than 1 million market research reports are available from nearly 40 market research sources.

Research select collection

Access in-depth, timely analysis and forecasts on companies, industries, products and markets across the globe.

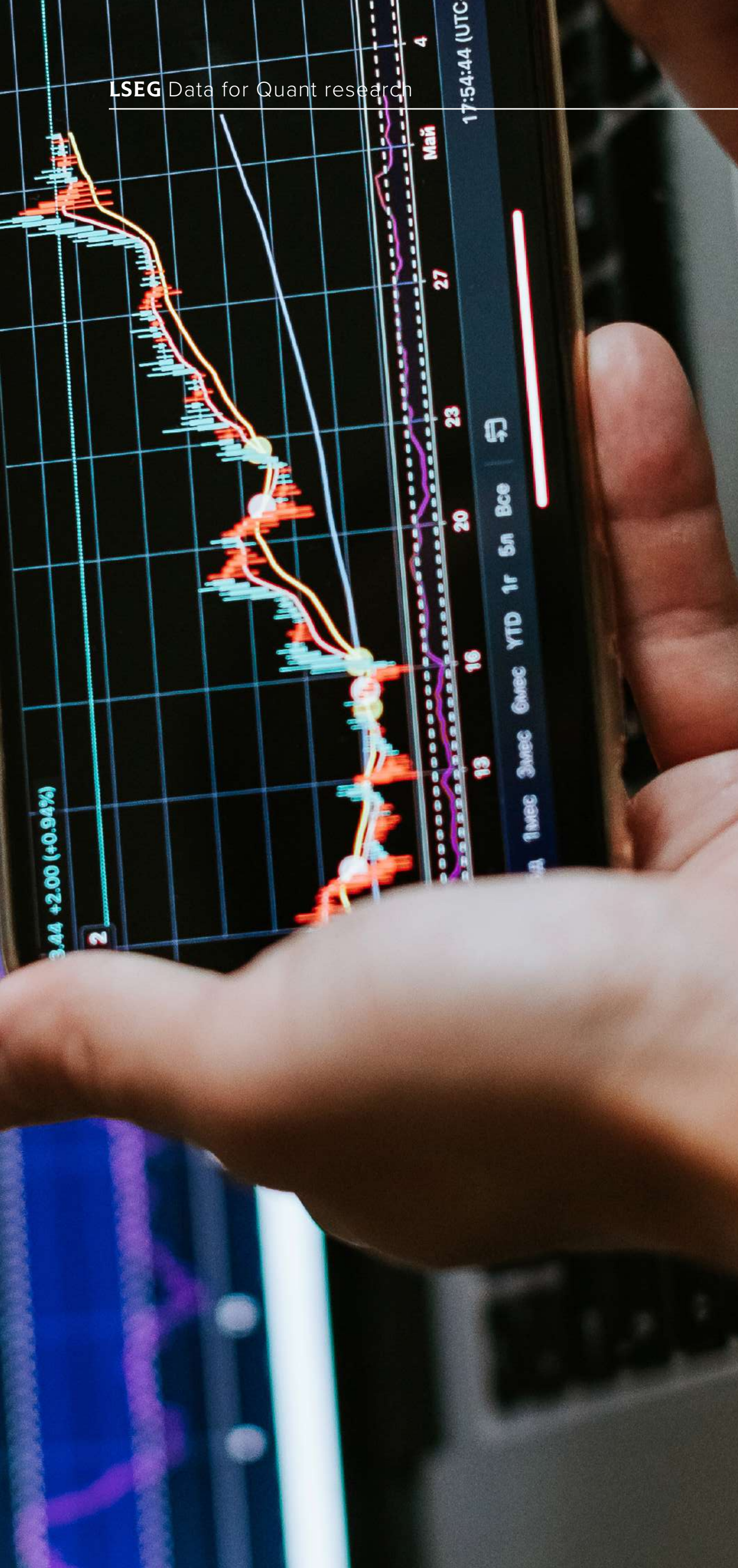
Differentiators

LSEG Data & Analytics continues to strengthen these collections with new sources, providing greater geographical coverage. We are constantly increasing the breadth and depth of content coverage among both global and regional research firms. Over 85 contributors were added in 2020.

LSEG Data & Analytics brings more research to your search results than our competitors. Use our global coverage to gather valuable and unique information on your peers or industry and monitor global industry trends and significant developments.

PACKAGE	COVERAGE	DELIVERY PLATFORM	UPDATE FREQUENCY	HISTORY
Aftermarket research collection	Global	RKD API	Daily	As far back as 1982

Discover more about: [Aftermarket Research](#)



LSEG StreetEvents

Corporate disclosures and brokerage events from over 33,600 public companies and hundreds of sell-side firms in over 118 countries.

Differentiators

Our event-based content offers you a one-stop solution for market-moving corporate disclosure information, by bringing together conference call and webcast details, transcripts, call summaries, briefs, guidance, SEC filings and more. We are the largest provider of corporate, institutional and proprietary event content.

Package	Coverage	Delivery platform	Update frequency	History
Events: Corporate disclosures and brokerage events from over 33,600 public companies and hundreds of sell-side firms in over 118 countries	Global	FTP, RKD API, LSEG Quantitative Analytics, LSEG Quantitative Analytics in the Cloud, RDP API	Intraday and end of day	From 1999
Transcripts and Briefs: transcripts of corporate conference call covering 10,000 global companies for 29 different event types	Global	FTP RKD API	Intraday and end of day	From 2001
Calendar	Global	LSEG Quantitative Analytics	Hourly	From 1999

Discover more about: [StreetEvents](#)

Significant Developments

A news analysis and filtering service providing a concise description of each crucial, market-moving company news event. Concise summaries of company-reported events.

Differentiators

Filtered summaries and categorisation save time, offer insight and allow you to keep abreast of critical news. Standard tagging allows you to isolate different events and carry out trend analysis and backtesting.

The ability to track companies, industries, geographies and topics allows you to focus on key subjects of interest and efficiently monitor peer and competitor activity.

Coverage

Over 30,000 active companies; coverage of all constituents of all major indices – more than 150 exchanges in 172 countries; 46 topics ranging from M&A to earnings outlooks.

Package	Coverage	Delivery platform	Update frequency	History
Significant Developments	Global	Data Platform Knowledge Direct API FTP LSEG Quantitative Analytics Database	Intraday, feed and end of day with history from 1999	US and Canada history from 2002; other markets from 2005

Discover more about: [Significant Developments](#)

LSEG Datastream time series content

A global cross-asset time series enabling users to explore relationships between data series, perform correlation and relationship analysis, test investment and trading ideas, and research countries, regions and sectors.

Differentiators

A huge volume of content not available anywhere else. A detailed function and expression language for in-depth analytics. Long historical time series with access to instruments that are now inactive. Handling revisions and providing consistent histories, the content is of the highest quality.

Package	# Instruments/ Time series**	Delivery platform	Coverage	Update frequency	History
Bond indices	80,000+	DDL, DSWS API	Global: over 175 countries and 60 markets worldwide	Update frequency can be specified by client, but data generally updated end of day Update frequency is not specified by the client for LSEG Quantitative Analytics. Data is end of day, but the updates are intraday	Over 50 years' history for some time series
Bonds and convertibles	1,900,000+	DDL, DSWS API			
Commodities	145,000+	DDL, DSWS API, LSEG Quantitative Analytics, DSS, WRDS			
Constituent lists	282,000+	DDL, DSWS API, LSEG Quantitative Analytics, WRDS			
Economic series	14,000,000+	DDL, DSWS API, LSEG Quantitative Analytics (about 150,000 series), WRDS			
Equities	268,000+	DDL, DSWS API, LSEG Quantitative Analytics, WRDS			
Equity indices	348,000+	DDL, DSWS API, LSEG Quantitative Analytics, WRDS			
Exchange rates	11,300+	DDL, DSWS API, LSEG Quantitative Analytics			
Futures	340,000+	DDL, DSWS API, LSEG Quantitative Analytics, WRDS			
Funds (sourced from LSEG Lipper)	550,000+	DDL, DSWS API			

Package	# Instruments/ Time series**	Delivery platform	Coverage	Update frequency	History
Interest rates	24,000+	DDL, DSWS API, LSEG Quantitative Analytics (minimal coverage)			
Investment trusts	3,000+	DDL, DSWS API, LSEG Quantitative Analytics*			
Options	16,700,000+	DDL, DSWS API, DSS			
Credit default swaps	101,000+	DDL, DSWS API, LSEG Quantitative Analytics*			
Warrants	2,900,000+	DDL, DSWS API, LSEG Quantitative Analytics*			

*Partial coverage only

**Includes Active and Inactive Instrument

ESG

LSEG Data & Analytics provides objective and transparent environmental, social and governance (ESG) information and analysis tools to enable our clients to benchmark, compare and integrate extra-financial information into their investment processes. This helps them to identify companies with quality management and business practices, and reduced risk exposure.

Differentiators

LSEG Data & Analytics offers the most complete and in-depth ESG information and news in the industry. Our data and framework enable investors to make better investment decisions by looking beyond traditional financial metrics, to benchmark and monitor how companies are responding to global sustainability trends like climate change and resource depletion, and demonstrating industry leadership in governance, business ethics, health and safety, and more.

ESG point-in-time data is also available in our bulk feed, allowing you to backtest your strategies with confidence.

Complementing LSEG Data & Analytics' fundamentals-based ESG data set, media AI-based LSEG MarketPsych ESG Analytics capture a real-time external perspective on company and country ESG-related activities and controversies.

LSEG MarketPsych ESG Analytics are real-time data series which can easily be incorporated into your investment and analysis process, whether quantitative or qualitative.

Coverage

LSEG ESG (point-in-time and non point-in-time) data covers more than 11,000 global companies. More than 500 strategic ESG data measures are available, structured into 18 categories representing four areas of corporate performance: economic, environmental, social and corporate governance.

LSEG MarketPsych ESG data is available on 30,000 global companies. More than 250 strategic ESG data measures are available, structured into 10 categories underlying four areas of corporate performance: economic, environmental, social and corporate governance.

LSEG MarketPsych ESG data provides real-time ESG data, evolved out of news and social media to capture key ESG themes and breaking controversies for more than 30,000 companies and 252 countries and regions. The data is delivered in Core and Advanced packages.

Package	Coverage	Delivery platform	Update frequency	History
Core: 23 key scores 16 scores: 10 category scores, three pillar scores, ESG score for company, ESG controversies score, and ESG combined score	Global	DDL, DSWS, LSEG Quantitative Analytics, LSEG Data Platform ESG API, Bulk Service on LSEG Data Platform, WRDS	Every other week, every week for Bulk Service	As far back as 2002
Premium: core content plus underlying data	Global	DDL, DSWS, LSEG Quantitative Analytics, Bulk Service on LSEG Data Platform, WRDS	Every other week, every week for Bulk Service	As far back as 2002
LSEG ESG Point in Time Data	Global	Bulk Service on LSEG Data Platform	Weekly	Category and summary scores since 2017 Pillar scores since 2021 Data points since 2008 Indicators since 2013
MarketPsych ESG Analytics Core: 17 scores: 10 category scores, three pillar scores, ESG overall score, ESG controversies score, ESG Combined Score, ESG buzz	Global	FTP, DDL, DSWS	Daily	Starting in 1998
MarketPsych ESG Analytics Advanced: core content plus underlying data: 100 additional minutely, hourly and daily company indices and 150 additional country indices	Global	FTP, DDL, DSWS	Hourly, minutely	Starting in 1998

Discover more about: [ESG data from LSEG Data & Analytics](#)

LSEG Lipper Global Data Feed

Lipper provides independent insight to asset managers and institutional investors on global collective investments, including mutual funds, retirement funds, hedge funds, and fund fees and expenses.

Lipper offers premium quality data, fund ratings, analytical tools and global commentary through specialised product offerings.

Trusted by investment professionals for more than 40 years, Lipper provides unparalleled expertise and insight to the funds industry.

Lipper Global Data Feed provides the most comprehensive global coverage, offering insight on mutual funds, retirement funds, pension funds and fund fees and expenses. Our content is relied upon by financial professionals every day to support detailed analysis, peer comparison, performance reporting and investment selection. Millions of retail investors view Lipper information via their favourite print and digital news publications.

- We have 40 years of fund industry experience and a reputation for providing unbiased, high-quality institutional information
- Lipper covers over 292,000 collective investments, including mutual funds, closed-end funds (CEFs), exchange-trade funds (ETFs), hedge funds, domestic retirement funds, pension funds and insurance products in 61 Registered for Sale (RFS) countries
- Lipper classifications and benchmarks provide unmatched granularity, enabling more concrete comparative analysis. The Lipper Global Classification scheme is composed of more than 400 peer groups. LSEG Lipper Leaders ratings facilitate fund selection by illustrating how well a fund meets specific investment goals
- Lipper Global Data Feed provides access to fund performance, returns, daily net asset values (NAVs), risk statistics, benchmarks, asset information, distributions and historical data
- Lipper Global Data Feed also offers key portfolio data and ratios, including full holdings, weight and rank within portfolio, shares held, allocations, EPS growth, price to sales, price/book ratio, price/earnings ratio, return on assets, sales per share growth, and weighted percent market caps
- Lipper fee and expense information includes initial sales fees, management fees and redemption charges. Total Expense Ratios (TERs) and other expense data is also available
- Fund events include mergers, liquidations, name changes, cross-reference changes and classification changes

Package	Coverage	Delivery platform	Update frequency	History
Asset overview: profile, performance, classifications, Lipper ratings, portfolio allocations and characteristics	Global	FTP	Custom	Full history since inception for prices, distributions and performance
Portfolio full holdings	Global	FTP	Monthly	Full history extends back to 2006 where available

The Lipper Global Fund Flows Feed provides detailed content on estimated net fund flows on a daily, weekly and monthly basis. Output is in XML format and can be easily integrated into outward-facing products. Estimated net flows are provided, as well as total net assets, changes in assets, standard performance periods and general fund information.

Package	Coverage	Delivery platform	Update frequency	History
Fund Flows at the fund level, company level, classification level and by domicile	Global	FTP	Daily	For markets outside the US, daily data begins on 1 August 2012, while US content begins on 1 January 1992. If fund history exists, the section will include at least 10 years of history

Discover more about: [Lipper Fund data](#)

LSEG Machine Readable News

1. Real-time News

Real-time News includes feed and archive access to Reuters and third-party newswires.

Coverage:

- All news alerts, stories and updates that come over the Reuters newswire for companies, commodities, macroeconomic news and markets, including foreign exchange (FX), fixed income, futures and equities
- Reuters operates in 131 countries, with 2,600 journalists in nearly 200 bureaus
- 10,000 stories a day to 450,000 financial professionals and more than 1 billion consumers
- Over 2,300 topic codes and other metadata
- Corporate and regulatory announcements: over 40 third-party newswires, including major newswires publishing corporate announcements

2. News Analytics

News Analytics includes feed and archive access to sentiment, entity relevance and other natural language processing (NLP)- based scores on Reuters and third-party news.

Sources: Reuters and over 43 third-party newswires, including major newswires publishing corporate announcements.

Coverage: 56,000 companies, 43 commodities and energy topics. Also scores general news, for example, macroeconomic news.

Scored by: author sentiment, relevance, novelty, volume.

Metadata includes: company identifiers, topic codes, alert/article/update, sector and geographic classification.

Languages: English and native Japanese.

3. MarketPsych Analytics

MarketPsych Analytics analyse news and social media in real time. MarketPsych converts the volume and variety of professional news and social media into manageable sentiment and thematic information flows that drive sharper decisions. The indices are delivered as real-time data series that can easily be incorporated into your analysis and decision processes – quantitative or qualitative.

Coverage:

- Over 110,000 companies
- 46 C&E topics
- 130 countries
- 62 sovereign markets
- 45 currencies
- Over 200 cryptocurrencies

Text sources:

Aggregated analytics on 2,000 news sources and 1,000 social media sources, scored on various entities.

4. Economic indicators

Real-time delivery of economic indicators such as GDP, employment and inflation figures, consumer sentiment figures and purchasing manager indices.

Coverage: over 1,700 economic indicators, over 75 countries.

Package	Coverage	Delivery platform	Update frequency	History
Real-time News feed/archive	Global	LSEG Data Platform/FTP	Real time/daily	1996 for Reuters, 2003 for other sources
News Analytics feed/archive	Global	LSEG Data Platform/FTP	Real time/daily	2003
MarketPsych Analytics	Global	LSEG Quantitative Analytics LSEG Quantitative Analytics in the Cloud FTP	Minutely, hourly and daily	1998
Economic events	Global	LSEG Data Platform	Real time	

Discover more about:

[Real-time News](#)

[News Analytics](#)

[MarketPsych Analytics](#)

LSEG Pricing Data Tick History

Captured from the LSEG Data & Analytics real-time data feeds, LSEG Pricing Data Tick History has offered global tick data since 1996 across all asset classes. It covers both OTC and exchange-traded instruments from more than 500 exchanges and third-party contributor data sources, the majority available two hours after markets close. Tick History provides superior coverage of complete, timely and global nanosecond tick data. This enables you to download the data you need when you need it, via a single interface.

DATA

Recorded trade and quote messages from our real-time feeds since 1996.

Region	Global: Americas, Asia Pacific, EMEA
All asset classes	Equities Fixed income Foreign exchange and money markets Commodities and energy Futures Options Economic indicators
Major third-party contributors	MarketAxess ICAP BGC Partners Tullett Tradition WM fixings
Exclusive content	Tradeweb® LSEG FX Matching

MESSAGE TYPES

With integrated reference data, Tick History effortlessly enables the creation of seamless historical time series and ensures clients can account for trading pattern anomalies and survivorship bias.

Time series data	<ul style="list-style-type: none"> Trades and quotes (level 1) Market depth (level 2) Market by price Market by order End of day prices Intraday summaries (one second, one minute, five minute, 15 minute, hourly)
Reference data	<ul style="list-style-type: none"> Corporate Actions (Corax) Secondary identifiers (ISIN, CUSIP, SEDOL, RIC, etc...)

Item	Trth V2
Content	Recorded from real-time feeds
Recorded from real-time feeds	HTML-based GUI
API	REST Web services

Proprietary indices

LSEG Data & Analytics has been calculating indices for over 30 years. We are uniquely positioned to construct, calculate and distribute indices using an unrivalled amount of cross-asset proprietary content and data.

Whether you require indices for benchmarking, or for the development of investment vehicles or custom index services, we provide a range of indices and index solutions to meet your needs precisely. With fewer limitations, our indices avoid the usage restrictions and pricing complexities imposed by traditional providers.

We fully support the International Organization of Securities Commissions (IOSCO) approach, which applies a common set of principles across all jurisdictions, and we have been working to ensure full observance of these principles across all benchmarks that we administer.

We calculate index families from global suites, fixed income entities, commodity partnerships, and convertible and FX suites, as part of our passive investment strategies. We also offer specialised custom asset classes and calculations, along with smart beta and thematic variants.

Package	Coverage	Delivery platform	Update frequency	History
Global equity index, fixed income, convertible and custom approach index suites	Global	FTP LSEG Quantitative Analytics* RKD API	Custom	Prices and compositions back to 1999

*Partial coverage only

Discover more about: [LSEG Data & Analytics Indices](#)

The LSEG Business Classifications

The LSEG Business Classifications is a market-based system that helps you identify, analyse and monitor industries across global markets.

Differentiators

The LSEG Business Classifications allows you to view companies at any of five levels: 10 economic sectors, 28 business sectors, 54 industry groups, 136 industries and 837 activities. Complete coverage across 130 developed, emerging and frontier countries.

Coverage

Classifies over 72,000 public companies – more than any other sector classification system – and 2.4 million private companies. History available from 1999. Powers five levels of LSEG Sector Indices in 51 countries and 23 regions.

Package	Coverage	Delivery platform	Update frequency	History
TRBC	Global	LSEG Quantitative Analytics RKD API FTP	Daily refresh	History from 1999
Company Fundamentals	Global	FTP	Daily refresh	History from 1999
I/B/E/S	Global	FTP DDL (features current TRBC only)	Features current and historical business classification in FTP and monthly history delivery	History from 1999

Alternative data

Our partnership with BattleFin provides clients with access to one of the largest libraries of alternative data available globally. As the partnership develops we are continuing to add third-party alternative data into LSEG Quantitative Analytics, as well as providing our own alternative data.

Package	Coverage	Delivery platform	Update frequency	History
Link Up job postings data	150 million jobs, US job listings	LSEG Quantitative Analytics in the cloud	Daily	Since 2007
News Analytics	46,000 companies and 43 commodity and energy topics	LSEG Data Platform	Daily	Since 2003
MarketPsych Analytics	2,000 news sources and 1,000 social media sources for more than 30,000 companies, 36 commodity and energy topics, 252 countries, 62 sovereign markets, 45 currencies and over 200 cryptocurrencies	Feeds and daily	Real time and daily	Since 1998
StarMine MarketPsych Media Sentiment Model	30,000 public and private global stocks	FTP LSEG Quantitative Analytics (US data only)	Daily	Since 1998
MarketPsych ESG Analytics Core	ESG pillar, category, controversy and buzz scores on more than 30,000 companies and 252 countries	FTP	Daily	Since 1998
MarketPsych ESG Analytics Advanced: core content plus underlying data	Beyond MarketPsych ESG Analytics Core, 100 additional company and 150 additional country scores	FTP	Minutely, hourly and daily	Since 1998
Commodity and energy data	Fundamental and forecast data for global agriculture, carbon, LNG, metals, European gas and power, weather, North American natural gas and power, and South American power	LSEG Point Connect	Daily	

Package	Coverage	Delivery platform	Update frequency	History
Energy data	Polling history of detailed forecasts and consensus estimates for over 900 economic indicators, foreign exchange, central bank interest rate policy, money market rates and bond yields	Feeds	Daily	
Datastream	Industry KPIs, polls, car registrations, housing prices, consumer sentiment	API and FTP	Daily	
StarMine Text Mining Credit Risk model	Global – 33,000 companies covered	FTP, DSS	Daily	

Discover more about:

[LinkUp](#)

[News Analytics](#)

[MarketPsych Analytics and MarketPsych ESG Analytics](#)

[StarMine MarketPsych Media Sentiment model](#)

[StarMine Text Mining Credit Risk model](#)

Symbology Concordance

The Symbology Concordance feed delivers seamless access to LSEG Data & Analytics content by routing you from any identifier to any other identifier, whether internal or external, or to the PermlIDs that index our platform content.

It provides both identity resolution and navigation services to quickly connect you to the information you need.

Package	Coverage	Delivery platform	Update frequency	History
Symbology Concordance	Global	FTP	30 min Delta; end of day Delta; weekly refresh	Current only

Delivery mechanisms and platforms

LSEG Quantitative Analytics is a powerful, scalable platform to manage, maintain and integrate your research and investment data. You will benefit from its advanced database structure, extensive content offerings and efficient implementation. With LSEG Quantitative Analytics, you get direct access to best-in-class, integrated data from multiple vendors. You can utilise Microsoft® SQL Server or Oracle with fully documented database schema and diagrams. Each vendor set is interlinked through our proprietary mapping system and our database is Dates, designed to be fully expandable for additional content sets. LSEG Quantitative Analytics can be easily linked to statistical and portfolio optimisation software packages, such as SAS, MATLAB, R and S-PLUS. ODBC compatibility allows easy links to statistical packages and modern programming languages such as Python and C.

LSEG Datastream Data Loader (DDL) allows you to pinpoint the exact data you need from our full range of content offerings and retrieve it one of two ways: when the latest updated data becomes available or on an ad-hoc basis. This simple yet powerful FTP-based solution is the most flexible, easy to implement and cost-effective method of delivering referential data.

File Transfer Protocol (FTP): data files via FTP meet the demands of users who need to store and manipulate the data, integrate the data into proprietary analysis or merge the data with other content sets. The files are usually designed to be database ready and work at various levels to meet different user groups' requirements.

LSEG Pricing Data Real-time is a low-latency consolidated global data feed that delivers full tick, depth-of-market data, helping you to source better-quality information and minimise the total cost of ownership of your real-time infrastructures.

LSEG Machine Readable News Headlines Direct provides the fastest distribution of market-moving, Reuters exclusive M&A headlines to the Equinix NY4 Secaucus Data Center.

LSEG Knowledge Direct (RKD) API meets the demands of users who need to incorporate data within applications for display purposes, whether for internal or redistribution purposes. This API facilitates the delivery of data, news and the capabilities associated with these (charts, search, time series, etc.) through SOAP XML Web services.

DataScope Select provides a total solution for your historical and reference data needs. It offers comprehensive, accurate global equities data from over 180 exchanges, evaluated fixed income pricing for more than 1 million US securities and extensive money markets and futures data.

