

BQuant Enterprise: Intraday Analytics

Build new alpha strategies, optimise trade execution, and gain fresh risk management insights by harnessing the power of 15 petabytes of intraday data

Working with intraday datasets can help differentiate investment strategies, trade execution and risk management. However, these datasets are difficult to procure and use. Different file types, storage conventions and datetime formats all add to the complexity of developing intraday strategies. Significant investment in compute infrastructure is often needed, taking time to build and requiring large teams of people to set up and maintain.

The BQuant Enterprise Intraday Analytics Add-on package solves these issues by providing comprehensive access to historical, multi-asset class intraday datasets and pre-built quant analytics libraries to quickly generate new insights. Built on BQuant Enterprise, Intraday Analytics provides the distributed compute required to help you access, process, and analyze large intraday datasets for intraday alpha research, execution research, risk management and transaction cost analysis.

Data Content

Multi-asset class access to 1 minute bar Intraday datasets from 2008

- OHLCV intraday pricing for global cash equities, equity indices, futures (equity, bond, commodity, currency, interest rate), G10 and EM currencies, sovereign bonds and corporate bonds
- Covers both actual trades and top-level bid/ask prices and sizes (Q4 2023)
- Intraday FX vols, forwards and NDFs as well as Bloomberg generic yield curve intraday datasets
- Homogenized datasets aligned to Bloomberg Tickers and FIGI identifiers to start building use cases out of the box
- Timestamp aligned across markets and available point-in-time
- Pre-cleaned 1-minute bars updated throughout the day, with finer granularity (including ticks) coming in 2024.

Pre-built Analytics

Pre-build analytics and APIs to speed up development while maintaining flexibility

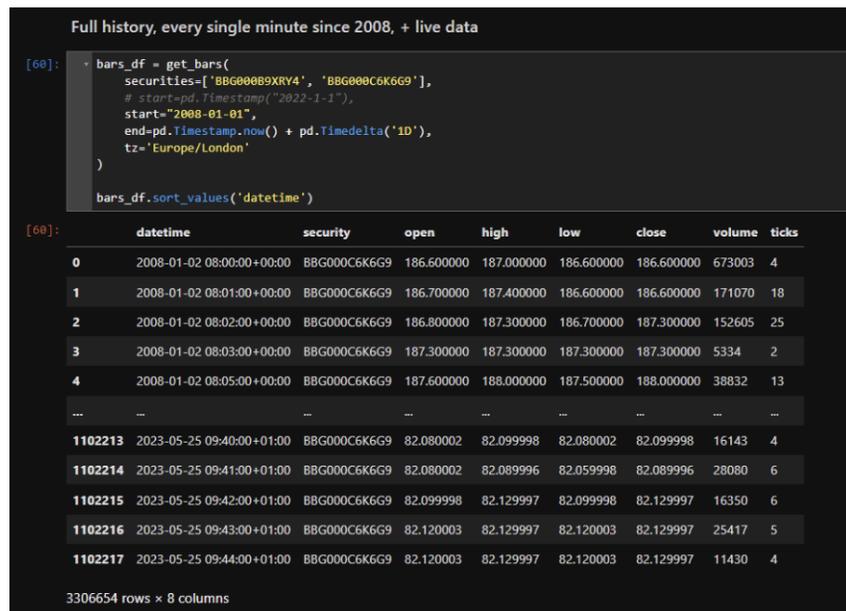
- Intraday Analytics is pre-packaged with flexible libraries to help you access, process and analyze intraday strategies fast
- Libraries integrated with BQuant Enterprise providing distributed compute out of the box
- Data access and quant analytics APIs, mapped across timezones, filtering, condition code normalized, plug in your own logic for filtering.
- Quant analytics including Intraday futures rolling, event and alpha decay studies and bond basis.

Compute

Scalable platform for principled quant research

- BQuant provides a pre-configured distributed compute environment to start analyzing data and developing insights with minimal setup
- Intraday data sets can run to petabytes of data. Our cloud solutions, make the data available at your fingertips to begin work on intraday models without requiring significant additional investment and time

Example Use Cases



Easy to use APIs to access, filter and construct bars



Event driven research to analyse price and volume impact following news announcements



BQuant Enterprise Solutions

BQuant Enterprise is a cloud-based analytics platform specifically designed for quantitative analysts and data scientists in the financial markets. BQuant Enterprise provides broad programmatic access to Bloomberg's comprehensive range of high-quality market-leading financial datasets and services via powerful APIs, along with quant tools.

- **Equity Signal Lab:** Equity signal research, advanced backtesting and portfolio construction
- **Textual Analytics:** Historical Bloomberg news headlines, body, metadata and language models for NLP workflows
- **Derived Results:** Export of model results from the BQuant Sandbox

Execution Research

- Volume and liquidity forecasting
- Intraday return forecasting
- Event studies
- Execution timing analysis

Alpha Research

Creating more realistic intraday simulations for:

- Alpha strategies (such as short-term reversals)
- Stat arb strategies (trading different correlated instruments at the same time)
- Event-driven research (price impact of macro events such as rate hikes or economic data releases)
- News-driven research (price impact of breaking news on the relevant markets and securities)

Risk management

- Enhanced VAR modelling
- Facilitate the design of intraday hedging strategies
- Improved skewness modelling
- Short-term volatility forecasting

Post-trade analysis

- Enhance benchmark algos such as VWAP, TWAP calculations
- Assess implementation shortfall

Take the next step.

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