

Bloomberg Terminal

BQNT

# Start Your Financial Data Science Journey

## BQNT START <GO>

# BQNT & BQL (Bloomberg Query Language)

**BQNT <GO>** is an interactive development tool within a user-friendly Python environment that enables financial market participants on the buy-side to quickly build, test, and share quantitative research via the Bloomberg Launchpad. With access to proprietary and open-source Python libraries, BQuant enables you to perform powerful analysis across asset classes to generate investment ideas and easily share them with other Bloomberg users as Launchpad components.

**Bloomberg Query Language (BQL)** is an API based on normalized, curated, point-in-time data that enables you to perform custom calculations including aggregation and screening across asset classes in the Bloomberg cloud. Data-intensive analysis that previously required downloading thousands of data points and conducting extensive manipulation can now be achieved with a single query. BQL enables you to conduct faster and more flexible research so you can react to the latest market events, apply your own investment theses, and discover hidden trends and opportunities.

## Getting Started

### BQNT START<GO>

Run **BQNT START <GO>** to launch your landing page and introduction to the BQuant platform. Whether it's your first time working with Python and Jupyter notebooks or you need to learn to work with BQL, we've designed three interactive learning tracks to help you develop your skills:

- **Boot Camp:** Learn the very basics of BQuant
- **Launch:** Learn how to fetch data and visualize analysis
- **Orbit:** Learn how to use BQL for asset classes, build an interactive UI, and publish your projects.



Boot Camp



Launch



Orbit

### Interactive Examples

Follow along the learning tracks with clear visuals and interactive exercises, with sample code snippets to follow.

#### Try it out

Add and remove your first Jupyter Notebook cell by doing the following:

1. Click once on this text to select this Jupyter cell
2. Click the **+** button in the toolbar to add a new Jupyter cell below this one
3. Delete the cell by right-clicking and selecting "Delete Cells"





# Develop custom workflows

## Learning Journey

Once you have grasped the basics, it's time to dive deeper into analysis for your asset class by leveraging the Bloomberg Query Language (BQL). Check out the following projects:

- **BQNT EQUITIES &ltGO>**: BQuant for Equity Analysis
- **BQNT FI &ltGO>**: BQuant for Fixed Income/Credit Analysis
- **BQNT FUNDS &ltGO>**: BQuant for Fund Analysis
- **BQNT ESG &ltGO>**: BQuant for ESG Analysis
- **BQNT ECO &ltGO>**: BQuant for Macroeconomic Analysis

		Name
My Projects	599	
 Sent Projects	833	1) BQL Function and Universe Guide
 Received Projects	596	2) BQL for Fixed Income
		3) BQL for Equities
		4) BQL for ESG
Example Projects	54	5) BQL for Funds
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Visualization	5	

The projects can also be found via the "BQL Resources" directory in "Example Projects"

## Introduction

- **BQuant Basics - Equities**

An Introduction to Equity Analysis on BQuant

## Learn

- **Equity Basics**  
Fundamental field calculations (Historical and Estima
- **Equity Advanced**  
Group, Filter, Custom Calcs, Ungrouping, Quantiling,

## Workflows

- **Equity Screening & Scoring** - Screen & Analyze a Un
- **Earnings Season Factor Monitor** - Analyze a universe
- **Earnings Season Sentiment Analysis** - Toggle a unive  
volatility.
- **Market Map Analysis** - Generate a market heat map

## New for 2021

- **New for 2021- Equity Peer Groups** - use a new BQL u

## BQNT for...

Each project is structured as follows:

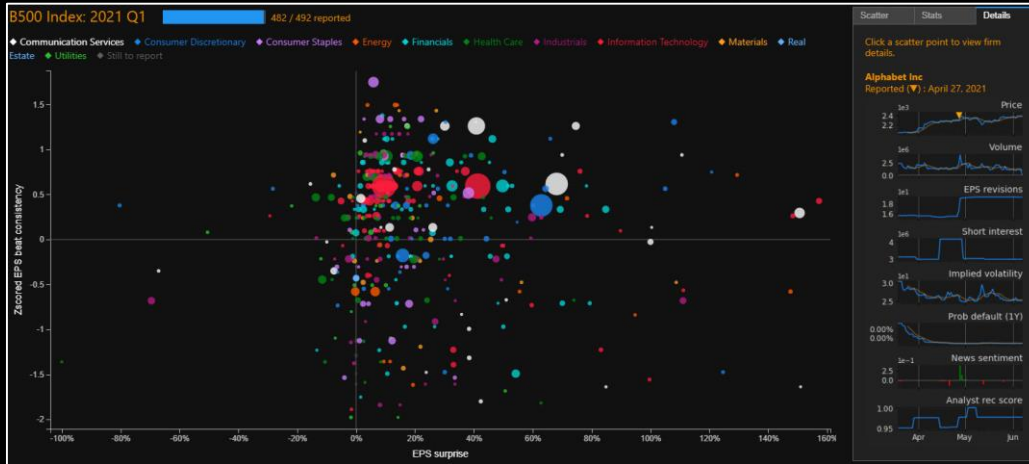
- **Introduction**: Learn about some key analysis that is available via BQuant
- **Learn**: Learn the basic and advanced building blocks needed to construct your own queries for real-world analysis
- **Workflows**: Open demo applications for asset-class focused workflows to get inspiration on different examples of applications which you could customize for your own analysis

Content is updated regularly with details and examples of the latest releases. Check back to see what's new, or subscribe to **NI BLPBQuant&ltGO>** to receive automatic notifications.

# Equity and Fixed Income

## BQNT EQUITIES <GO>

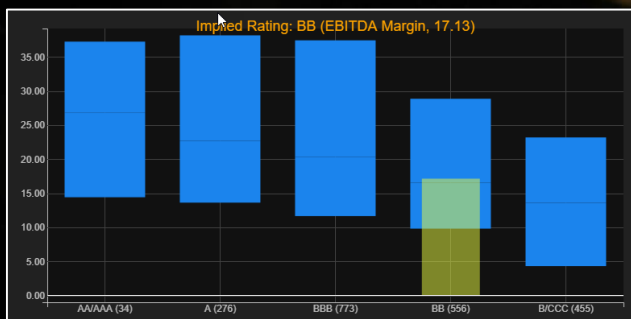
Analyze earnings factors and analyst sentiment in earnings season dashboards; create custom heatmaps to segment your universe; or apply custom scoring models to generate signals to screen your universe for investment opportunities.



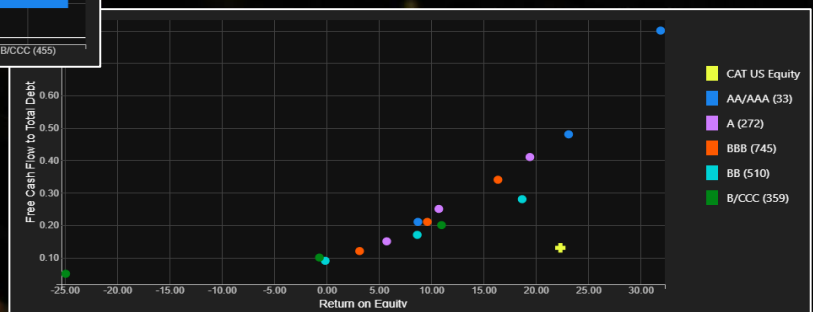
Z-Score earnings-factors and monitor the market to compare firms during earnings season.

## BQNT FI <GO>

Examine and compare aggregate term structures with peer universes for relative valuation; construct your own fundamentals-driven credit rating to assess companies; generate and score pair spreads to compare against historical means and monitor new bond issues with custom screening criteria, such as country, rating and currency.



Apply your own weighted fundamentals score to generate an implied credit rating for securities without ratings or compare with third party ratings.





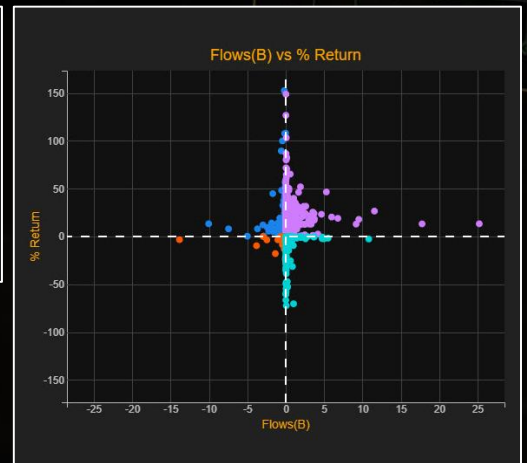
# Funds and ESG

## BQNT FUNDS <GO>

Assess fund flow trends for investor sentiment; create custom watchlists for signals within your funds such as price movement and news sentiment changes; compare the risk and return of funds against peers across different time periods.

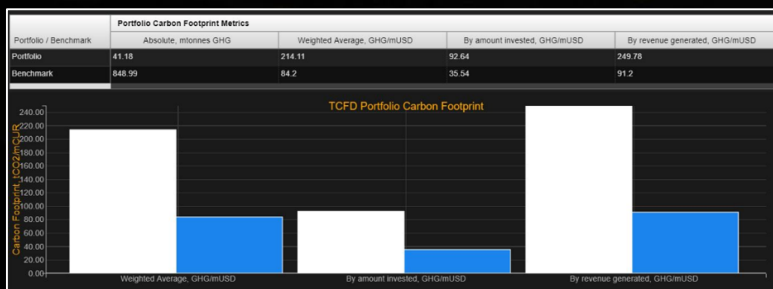


Compare flows versus returns on an aggregate level (right) or evaluate single funds vs peers in a custom tearsheet (above)



## BQNT ESG <GO>

Assess coverage of ESG data for your universe; create and apply your own custom ESG scores; apply negative screening to your universe; analyze your portfolio's alignment to growing regulatory requirements such as carbon footprint reporting, TCFD, SDG and SFDR.



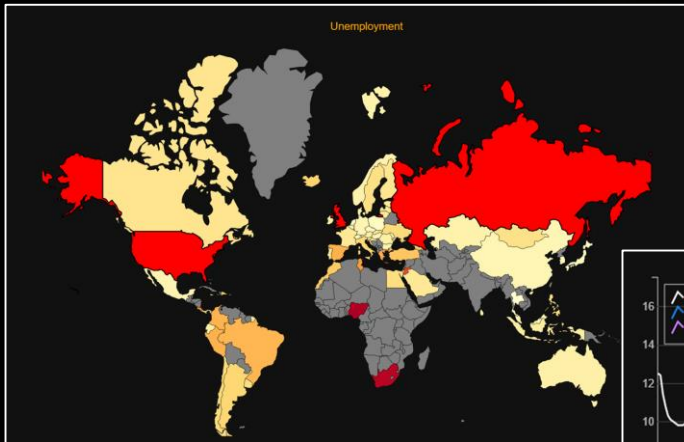
Calculate portfolio carbon footprint across different metrics and identify the biggest contributors (above); check alignment of multiple universes with SFDR regulation



# Macroeconomic Analysis

## BQNT ECO <GO>

Generate your own dashboard to analyze economic trends; create correlation matrix between FX pairs to compare realized and implied correlation; calculate your own cross-asset risk-parity based portfolio.



Compare macro trends and equity returns in your custom macroeconomic dashboard



## BQIQ <GO>

For more information on the workflows available on BQuant, run **BQIQ <GO>** to see the documentation on each asset class. Better yet, run the applications in the projects such as **BQNT EQUITIES <GO>** and check out how next-generation analytics can be applied to your research.

# BQuant Enterprise

BQuant Enterprise is a cloud-based, turnkey data science platform specialized for financial markets that leverages Bloomberg analytics and data that has been cleaned, normalized, and linked for use by data scientists and quants. BQuant Enterprise enables buy-side firms to focus on generating alpha and adding value for clients by putting quantitative analysis to work.

## BQL Data

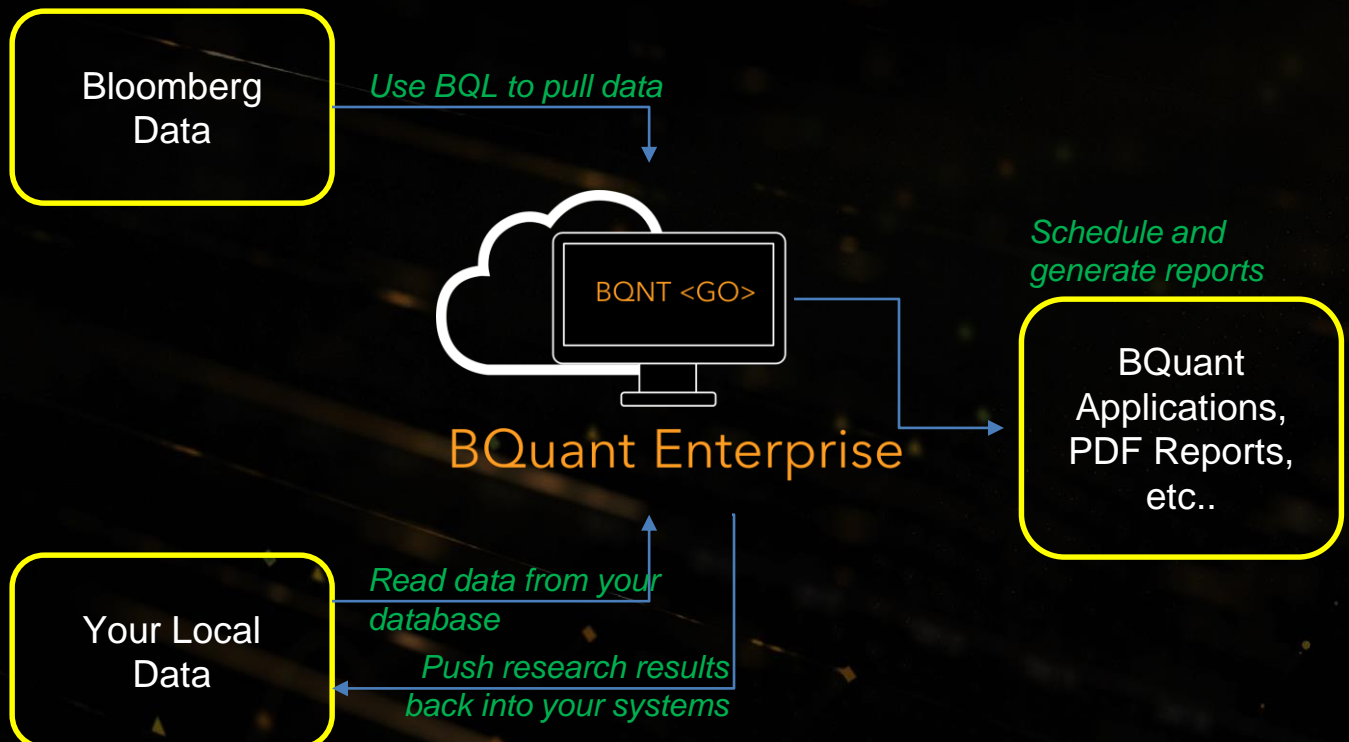
Get unlimited access to data using Bloomberg Query Language (BQL)  
Profit from cleaned and mapped data that can be linked directly to your holdings

## Data Integration

Combine Bloomberg data with your proprietary data or 3<sup>rd</sup> party data without having to move your datasets to the terminal  
Use your in-house insights and Bloomberg technology for a full picture on your portfolio risks and regulatory alignment

## Reporting and Distribution

Schedule the analysis to run automatically to match your period assessment  
Generate PDF reports with the output of your analysis  
Share BQuant Applications with Bloomberg Users in your company  
Link the output of your research back into your local database to share across the enterprise





Like what you see?

Contact your Sales Rep for a personalized session with a BQuant specialist

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**Take the next step.**

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press the <HELP> key twice  
on the Bloomberg Terminal®.

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