



QuSandbox

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# QUSANDBOX

*The AI and ML Enablement  
Platform*

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# ABOUT

## WHY QUSANDBOX?

QuSandbox accelerates building of Machine Learning and AI products by enabling developers to access data, models and APIs in a single environment. By leveraging the cloud and a one-stop governed environment, QuSandbox accelerates the inception-to-deployment lifecycle of production-quality Data Science products

## FEATURES

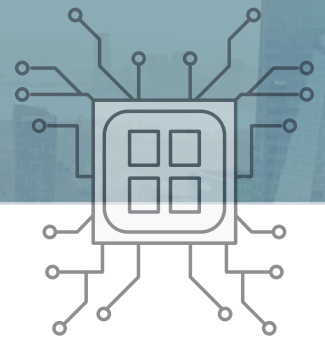
**QuSandbox: Data and Model APIs**

**QuModelStudio: Build and orchestrate data and model pipelines**

**QuAcademy: Try out APIs and Learn building data science and ML applications**



# FEATURES



## QuSandbox

- Manage all your API Keys with QuAPI Vault
- Data integration to Market data sources such as **Moody's**, **Factset** and **S&P Global**
- Leverage custom QU APIs for:
  - Synthetic data generation, anonymization, masking, re-identification etc.
  - Pre-trained machine learning models for Sentiment analysis using QuSentiment
- Scale and run production-quality code on elastic hardware using the cloud.
- Try out new APIs and data products on-demand
- Publish your own APIs and educate your customers on how to use your API
- Review analytics on API usage and metering of APIs
- Audit Logs on data retrieval.
- Maintain provenance of data sources and models in a single environment.

The screenshot displays the QuSandbox QuAPI interface. On the left is a dark sidebar with the QuSandbox logo, email address (info@qusandbox.com), and navigation links for QuAPI, QuModelStudio, and QuAcademy. The main area is titled 'QuAPI' and contains a grid of API cards. Each card includes a title, version number, logo, and a brief description.

API Name	Version	Description
FactSet	Version: 1.0.0	Reference API to try Factset's Fundamental datasets
Moody's	Version: 3.0.0	Reference API to try Moody's datasets
S&P Global	Version: 1.0.0	Reference API to try S&P 500 datasets
QuAnonymize	Version: 1.0.0	API for anonymizing sensitive information for tabular data
QuMask	Version: 1.0.0	API for Masking sensitive information for tabular data
QuDe-identify	Version: 1.0.0	API for deidentifying sensitive information for tabular data
QuSynthesize	Version: 1.0.0	Synthetic generation for tabular and time-series datasets
QuExplore	Version: 1.0.0	Data exploration API
QuRe-identify	Version: 1.0.0	Reidentification API for tabular datasets

# FEATURES



## QuModelStudio

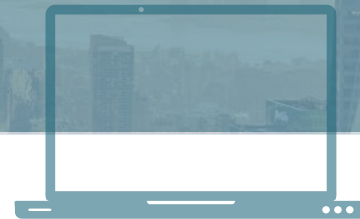
- Design and Orchestrate data and machine learning workflows in a governed, reproducible and iterative environment.
- Schedule jobs and pipelines for periodic or on-the-fly runs.

The screenshot displays the QuModelStudio interface for editing a pipeline named 'edgar\_pipeline'. The interface is organized into five vertical stages, each containing a sequence of components:

- Stage 1:** Scraping-Environment, Scraping-Model, SCRAPING-BLOCK, and an ADD ENTITY button.
- Stage 2:** Data-Processing-Environment, Data-Processing-Model, DATA-PROCESSING-BLOCK, and an ADD ENTITY button.
- Stage 3:** Sentiment-Analysis-Environment, Sentiment-Analysis-Model, SENTIMENT-ANALYSIS-BLOCK, and an ADD ENTITY button.
- Stage 4 (highlighted in yellow):** API-Comparison-Environment, API-Comparison-Model, API-COMPARISON, and an ADD ENTITY button.
- Stage 5:** MATLAB-Analysis-Environment, MATLAB-Analysis-Model, MATLAB-ANALYSIS-BLOCK, and an ADD ENTITY button.

At the bottom of each stage is a plus sign icon for adding more components. The top navigation bar includes 'SCHEDULES', 'PIPELINES', 'ENTITIES', 'BLOCKS', and 'LOGOUT'. A 'Logs' panel on the left shows a timestamped message: '1/10/20 12:47 PM : fetched pipeline'.

# FEATURES



## QuAcademy

- Learn using different API's and Machine Learning concepts in a cloud-based single environment, all with just a browser.
- Educate your customers and users on how to use your API

A screenshot of the QuAcademy website interface. The top navigation bar includes the QuAcademy logo, "Powered By QuSandbox©", and links for "Tutorials", "Courses", and "QuLabs", along with user and search icons. Below the navigation, there are two filter dropdowns: "Filter By Courses" set to "Model Risk for Machine Learning" and "Filter By Topics" set to "All". A "Search Project" button is also present. The main content area displays three course cards for "MODEL RISK MANAGEMENT FOR MACHINE LEARNING MODELS".  
1. "1. MRM for ML - Machine Learning Orientation": Duration: 1 hr, QUCredits: 1. Description: "Machine Learning and AI in Finance: An Intuitive Introduction".  
2. "2.0 MRM for ML: Decalogue Part 1": Duration: hr, QUCredits: 1. Description: "Part 1: Key Consideration for MRM for ML Part 2: The Decalogue: Ten key aspects to factor when developing your model risk management framework when integrating Machine Learning models".  
3. "3.0 MRM for ML: Operationalizing MRM": Duration: hr, QUCredits: 1. Description: "In this module we will review: 1. Operationalizing MRM for ML models 2. Governance issues for Data Science and ML models 3. Synthetic Data Generation for testing 4. Interpretability and Explainability".

# CONTACT US



**TO TRY OUT QUSANDBOX**

**CONTACT US AT**



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