

# UCL DataSet Index

Y. Mutnikas

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## 1 Introduction

- This is a catalog of directories that contains a number of different data sets.
- The files by and large are .csv files and some .xlsx.
- There are a number of **parquet** files.
- In some cases you will have to join/link some files in order to do necessary analysis.

## 2 DataSets

- [1. USA Equities by Sector](#)

Datasets provide quantitative financial metrics for various publicly traded companies across different financial sectors. Each dataset corresponds to a specific sector, such as banking, insurance, asset management, or diversified financial services, and tracks company-level performance over time

- [2. IBOXX Fixed Income Index](#)

This dataset provides detailed bond market information, including pricing, yields, duration, convexity, and credit spreads for a range of corporate bonds. The data is structured around fixed-income securities, their issuers, and associated risk metrics. It includes bond characteristics such as coupon rate, maturity, yield, modified duration, and option-adjusted spreads (OAS), making it valuable for credit risk analysis, portfolio management, and fixed-income trading.

- [3. Fixed Income Bonds \(Parquet data\)](#)

This dataset provides bond-level information on corporate fixed-income securities, tracking their yield, spread, duration, and price relative to benchmarks. It includes key metrics used in fixed-income investment, credit risk analysis, and bond pricing. Other files in this folder are related e.g. rating and similar.

- [4. Website Traffic](#)

This dataset captures website traffic data across different device categories and web browsers, providing insights into user behavior and engagement over time. It includes the number of visitors, session counts, and bounce rates, which are critical for web performance analysis, user experience optimization, and digital marketing analytics.

- [5. Global Power Plant](#)

This dataset provides a comprehensive record of power plants worldwide, detailing their location, capacity, fuel type, and generation output. It includes hydroelectric, gas, and other energy sources, offering valuable insights for energy infrastructure analysis, renewable energy studies, and power generation capacity assessments.

- [6. Oil Wells Drilling Report Report](#)

These dataset provides detailed drilling and well information for oil and gas operations. It captures location details, operators, drilling depth, well type, and current status, making it valuable for exploration analysis, production forecasting, and energy sector research. There re different dataset in this folder with some meta data explanation for some of th technical terms.

- [7. Louisiana Oil Tank Storage \(Petroleum Administration District\)](#)

This dataset provides satellite-based monitoring of oil storage tanks, tracking fill levels, maximum volume capacity, and geolocation of refinery storage units. It is useful for energy market analysis, supply chain monitoring, and crude oil inventory estimation.

- [8. Global Trade Atlas - Wheat Forecast](#)

This dataset provides information on total trade real value for wheat and related cereal products across different countries over a specified time range (2005-2040). It includes annual trade values measured in monetary units for various grain categories.

- [9. Access to Electricity Dataset](#)

This dataset provides historical and country-level data on the percentage of a nation's population with access to electricity. It tracks electrification progress across different countries and regions over time, offering insights into energy development, infrastructure expansion, and global electrification trends.

- [10. Demo House Data](#)

This dataset contains real estate transaction records with property details, pricing history, and structural characteristics. It provides insights into housing market trends, pricing patterns, and property attributes across different regions.

- [11. Demo Basic Dataset](#)

These are some basic .csv files for demo purposes. This should NOT be used for projects!

- [12. Rhodium Daily Prices \(5Y\)](#)

Precious metal pricing for 5 years, daily.

- [13. Interbank Exposures](#)

These datasets capture financial exposures between banks and institutions, categorized by asset classes. It could provide insights into counterparty risk, financial linkages, and systemic exposure in the banking sector. The specific amounts are omitted.

- [14. USA GDP Data](#)

This dataset provides a time-series breakdown of the USA's Gross Domestic Product (GDP) across key economic sectors, tracking economic trends over time. It includes quarterly GDP values and contributions from various industries. This data can be obtained from FRED.

- [15. Weekly Oil Exports](#)

This dataset provides weekly records of oil shipments, tracking the movement of crude oil and petroleum products across international ports. It includes information on origin and destination ports, ship counts, and volume of loaded barrels. The dataset is valuable for analyzing oil trade flows, supply chain logistics, and market trends

- [16. Global Trade Atlas Dataset](#)

These datasets provides time-series analysis of global trade flows of different commodities at different frequencies including forecast data, tracking imports and exports of various commodities (e.g., frozen pork, frozen beef, prepared meat, steel etc.) across different countries. It spans from 2005 to 2040, offering both historical data and future projections.

- [17. Credit Transfer Dataset](#)

This dataset provides credit spread information across multiple sectors, regions, and credit rating tiers. It captures the credit risk profile of different sectors in various geographical regions, tracking recovery rates and credit spreads for different maturities (1Y, 5Y, 10Y).

### 3 Notes

Some of the dataset in this are largish. Therefore, it might be not very useful to download such big files first. You **should be able to open such files directly in sharepoint** without a download first (assuming UCL security gives the permission for such access)