

ANALYTICS PORTAL & REPORT ENHANCEMENTS

April 2018

MSCI

ANALYTICS PORTAL ENHANCEMENTS

DATASET SCREEN FILTER

New Filter bar on Dataset screen. Clients can filter datasets by:

Market Information:

- Date Added
- Index Category
- Reporting Frequency
- Region
- Frequently Used (On/Off)

DATE UPDATED	ANYTIME	LAST MONTH	SINCE LAST LOGIN	REGION	Select Region	▼	
INDEX CATEGORY	FUND INDEX	PROPERTY INDEX		REPORTING FREQUENCY	Select Frequency	▼	<input type="checkbox"/> SHOW FREQUENTLY USED

Portfolio Analysis:

- Date Updated
- Portfolio/Benchmark
- Reporting Frequency
- Market

DATE UPDATED	ANYTIME	LAST MONTH	SINCE LAST LOGIN	REPORTING FREQUENCY	Select	▼	
SHOW	PORTFOLIOS	BENCHMARKS		MARKET	Select	▼	

DATASET GROUPING & SORTING

Clients can now group datasets by:

Market Information:

- Index Category
- Region
- Reporting Frequency

Portfolio Analysis:

- None (no grouping)
- Reporting Frequency
- Market
- Portfolio/Benchmark

The screenshot displays a data filtering interface. At the top, there are two buttons: "Select All" and "Clear Filter". To the right is a search bar labeled "Search here" with a magnifying glass icon. Further right are two dropdown menus: "Sort by" and "Group by". Below these elements is a list of filter categories, each with a plus icon and a count in a grey circle:

- Annual 41
- BIAnnual 3
- Quarterly 6
- Monthly 1

A dropdown menu is open under the "Group by" menu, showing three options: "Index Category", "Region", and "Reporting Frequency". The "Reporting Frequency" option is highlighted in blue.

DATASET GROUPING & SORTING

They can also sort datasets by:

Market Information:

- Dataset Name (A-Z)
- Dataset Name (Z-A)
- Reporting Frequency
- Total Return

Portfolio Analysis:

- Dataset Name (A-Z)
- Dataset Name (Z-A)
- Reporting Frequency
- AUM
- Number of Assets
- Total Return

The image displays two screenshots of a web interface. The top screenshot shows a search bar with the text 'Search here' and a magnifying glass icon. To the right of the search bar are two dropdown menus: 'Sort by' and 'Group by'. A dropdown menu is open, showing four options: 'Dataset Name (A - Z)' (highlighted in blue), 'Dataset Name (Z - A)', 'Reporting Frequency', and 'Total Return'. The bottom screenshot shows the same search bar and dropdown menus. The 'Sort by' dropdown is open, showing six options: 'Dataset Name (A - Z)' (highlighted in blue), 'Dataset Name (Z - A)', 'Reporting Frequency', 'AUM', 'Number of Assets', and 'Total Return'. In the background of the bottom screenshot, a table is visible with a row containing the text 'Dec-2014 - Sep-2017 ANNUA' and a cell containing '8.5 % Total Return (Sep-2017)'. Below this cell are three dots and a percentage icon.

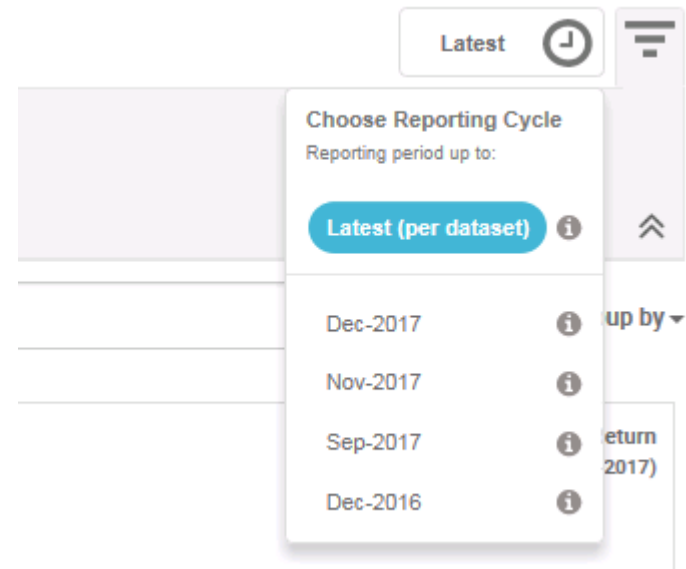
REPORTING CYCLE (PORTFOLIO ANALYSIS)

The Reporting Cycle selection allows clients with multiple portfolios and/or benchmarks to switch between reporting periods, when not all datasets have been run up to the same (i.e. the latest) reporting period.

Each dataset will have its previous and current reporting period available to choose from the Dataset screen.

In scenarios where, for example, the portfolio has been run up to its latest period but its ordered benchmark hasn't, the client can still select the portfolio and benchmark together on the previous period (and thus also be able to view the relative results).

Latest (per dataset) will show all available datasets in one list, each with their own latest available reporting period.

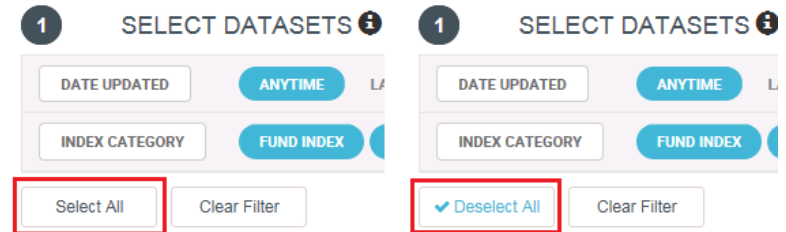


WORKFLOW ENHANCEMENTS

Clients can now select all datasets in one go through the Select All button

Clients can also select all benchmarks within a portfolio (or vice versa) in the Portfolio Analysis section.

Output Parameters are no longer reset when selections are changed in the preceding steps. Note that parameters which are no longer valid based on the new selections made will still be removed or reset to the default.



MARKET INFORMATION SAMPLE ANALYSIS

Predefined queries are being added to the Global Intel and Multinational Intel which all subscribers can access:

Multinational Intel

- MN1 -- Are Solvency protections adequate -- Based on historical performance is 20 percent a sufficient cushion to protect capital during a correction
- MN2 -- Quantifying macro risk factors globally -- What are the key top-level drivers of volatility that should be on your radar

Global Intel

- GI1 -- Analysis of top 94 Global Cities -- Data file akin to the legacy Digest with some major improvements
- GI2 -- Euro Central Bank influence on property valuations -- Based on empirical evidence spanning multiple cycles how have markets responded to QE capital market controls

Global Intel Plus

- PLUS1 -- Are prime vs secondary offices following the script -- Australian office grades and their performance compared with other proxies for quality
- PLUS2 -- Searching for yield beyond US gateway markets -- Identify US markets with attractive yields and low risk outside overpriced gateway cities
- PLUS3 -- Using big data to discern key performance drivers -- Lease categorizations to cross correlate UK retail markets
- PLUS4 -- Clustering global cities by core economic driver -- Are national borders and macro risks (FX shift, geopolitical) insignificant in comparison to the local market economy
- PLUS5 -- Are value weighted indexes flawed -- Studying the impact of high value assets on reported market indexes

REPORT ENHANCEMENTS

SUMMARY REPORT

10yr Annualized results added to non-Annual reporting frequencies

Ranked Total added to report

Performance results shown in 2 decimal places

ASSET CONTRIBUTION REPORT

Asset sold in previous periods are now included

Inclusion of Since Inception IRR and Headline Returns

10yr Annualized results and Asset Status added to non-Annual reporting frequencies

Performance results shown in 2 decimal places

Absolute values are now shown as full values (instead of millions)

Average Capital employed added for each annualized period

USA: State and Region are now both shown in report

Life Cycle status moved to each respective Annualization section

ASSET FACT SHEETS

Total Return section now contain full annualized series of returns

Since Inception IRR added to the report

Performance results shown in 2 decimal places

% Bmk segment analysis has been removed

GLOBAL IRIS

The IRIS Checking Report is now available for all historic periods as well as the latest period.

The IRIS Checking Report can now be exported to Excel

IRIS Data Export now includes the following new measures:

- Floorspace (sqm / sqft)
- Rent sqm / Rent Sqft
- Market Rental Value
- Market Rental Value sqm / Market Rental Value sqft

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