Risk managers need a wide range of risk measures to create a comprehensive picture of risk across their portfolios. Current processes focus on synthesizing large amounts of data and generating results rather than deriving meaningful insights from the data.

By automating processes – going beyond data delivery – and transforming data into usable information, Risk Insights provides you with an understanding of the overall level of risk in your portfolios, how that risk has changed, what caused the changes, and what can be done about it. **In short, insights that matter.**

**Automating Insights to Drive Risk Management Decisions**

Risk Insights delivers a single view of risk using our world-class content, allowing you to innovate faster, identify trends, and gain market insights to respond quickly to a rapidly changing investment landscape.

- A dynamic and intuitive view of risk powered by MSCI’s world-class data and analytics
- Increased efficiency with the ability to see factor and time-series risk in a single view
- Scalable data model stored in the cloud
- Effective and consistent communication across the organization to create a culture of risk management
- Built on cloud technology (i.e., Snowflake, Azure)
- Flexible technology to provide analysis across tools via dashboards and APIs

**Make the Data Usable**

Through a curated set of dashboards, you will get a dynamic overview of time-series risk, factor risk, and stress testing capabilities, to turn risk results into actionable information.

<table>
<thead>
<tr>
<th>Concentration Analysis: Easily find concentrated positions, sectors, factors, or portfolios</th>
<th>Attribution of Changes: Did the risk of the securities change or did my portfolio change? Quickly understand the factors driving the risk of your portfolio over time</th>
<th>Trend Analysis: Analyze how your portfolio has changed over different periods and regimes, and discern what is driving those changes</th>
<th>Outlier Identification: Quickly see statistically significant outliers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration Analysis:</strong> Easily find concentrated positions, sectors, factors, or portfolios</td>
<td><strong>Attribution of Changes:</strong> Did the risk of the securities change or did my portfolio change? Quickly understand the factors driving the risk of your portfolio over time</td>
<td><strong>Trend Analysis:</strong> Analyze how your portfolio has changed over different periods and regimes, and discern what is driving those changes</td>
<td><strong>Outlier Identification:</strong> Quickly see statistically significant outliers</td>
</tr>
</tbody>
</table>
Flexible visualization with a curated set of default dashboards that deliver key insights

Curated data model to make the results useful by storing them in a purpose-built cloud-based data model

World-Class Content to Power Your Insights
We are an innovator in risk analytics from the modern factor model to Value-at-Risk (VaR), we continuously deliver impactful risk statistics to help measure, monitor and manage risk.

▶ Leading market and reference data
▶ Extensive benchmark coverage
▶ Breadth of instrument coverage including privates, real assets and infrastructure
▶ Granular pricing models across equity, fixed income, structured products, derivatives, commodities

Putting it all together
With cloud delivery, world-class content and key insights, you can transform your risk management process to create efficiency and enable a risk management culture. Contact us today to start the transformation.

Data
- Sourced from ~80 vendors
- Reference data for 20M+ assets, including history
- 200+ staff dedicated to data services
- Significant QA processes

Benchmark Indexes
- Includes the following major indexes: MSCI, Bloomberg, Citigroup, ICE BofAML, Markit iBoxx, S&P Dow Jones
- 400K+ top-level and 150K+ constituent-level benchmarks indexes processed daily
- Indexes reconciled daily to 1 bp of reported returns

State of the Art Risk Models
- Innovative Value-at-Risk simulation methodologies
- Robust stress tests
- Market exposure and sensitivity analysis
- Equity, fixed income and multi-asset class factor models that include both public and private assets
About MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process.

To learn more, please visit www.msci.com.

The information contained herein (the “Information”) may not be reproduced or disseminated in whole or in part without prior written permission from MSCI. The Information may not be used to verify or correct other data, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information or any MSCI index is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. The Information is provided “as is” and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN “MSCI PARTY”) MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MSCI PARTY HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE MSCI PARTIES HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited.

©2022 MSCI Inc. All rights reserved | CFS0322