Bloomberg Artificial Intelligence Index Methodology

August 2024

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Introduction

The Bloomberg Artificial Intelligence Index is constructed to track the performance of companies that develop, facilitate, or use solutions such as deep learning, machine learning, natural language processing, and image and speech recognition utilizing data from Bloomberg Intelligence ("BI"). The Index selects the top 50 companies based on a combination of the revenue assessment of companies stemming from artificial intelligence products and services according to BI and their market capitalization. The Index is modified market capitalization weighted where the market capitalization of a company is adjusted for its revenue assessment coming from the theme.

This document is intended to be read in conjunction with the Bloomberg Global Equity Indices Methodology; these documents collectively constitute the index methodology for this Index.

Section 1: Overview

Name	Bloomberg Artificial Intelligence Index
Base date	2015-04-20
Inception Date	2024-08-01
Rebalance	Quarterly
Publication	Weekdays
Currency	USD
Tickers	BAI (Price Return) BAIT (Total Return) BAIN (Net Return)

Section 2: Index Eligibility Process

Parent Universe

To be selected for the Bloomberg Artificial Intelligence Index, a security must be a member of the Bloomberg World Aggregate universe. Please refer to the Bloomberg Global Equity Index methodology through the link below for additional details.

Bloomberg Global Equity Indices Methodology

Theme Eligibility

A security must belong to the Exposure Categories defined below within the Artificial Intelligence ("AI") ecosystem as determined by BI. Within the AI ecosystem, a security must belong to the Gold tier. Bloomberg Index Services Limited ("BISL") places securities into a Gold or Silver tier in accordance with the Bloomberg Thematic Protocol. Please refer to the Bloomberg Thematic Protocol through the link below for additional details on the construction of thematic baskets.

Bloomberg Thematic Protocol

Exposure Category	Definition
Application Software	Companies that provide AI application software development.
Infrastructure Software	Companies that provide AI infrastructure software development.
Hyperscaler	Companies integral to AI proliferation across multiple business layers.
Hardware	Companies that provide AI hardware and storage.
Semiconductors	Companies that provide semiconductor solutions for AI.
Application Accelerator	Companies accelerating adoption and proliferation of AI usage.

In addition, a security must not be classified as Application Accelerator, defined above, according to BI.

Market Capitalization Eligibility

A security must have a minimum issuer free float market capitalization of $500 million.

Liquidity Eligibility

A security must have a minimum 90-day average daily value traded of $5 million.

Exchange Eligibility

A security must not be listed on Shanghai or Shenzhen Stock Connect exchanges (exchange codes C1 and C2).

Multiple Classes of Securities

One security per issuer is permitted. If an issuer has multiple securities, then the security currently in the Index will take precedence if it has met all other criteria for eligibility. Otherwise, the security with the highest 90-day average daily value traded is eligible for inclusion in the Index.

Section 3: Index Construction Process

Index Selection Process

All securities that satisfy the Index Eligibility Process in Section 2 are eligible for inclusion in the Index.

The eligible securities are sorted by their Revenue Assessment (ascending order) and then their Issuer Free Float Market Capitalization (descending order).

BI's revenue assessment reflects BI's view of near-term revenue exposure of each company to a theme and appropriate sub-classifications as a percent of the company's total revenue. BI analysts leverage publicly available company data such as financial disclosures, and where necessary other available research, to assess a company's near-term (3 to 5 year) revenue exposure to a theme. An assessment of 1 reflects BI's assessment of a company being more than 50% of revenue tied to the theme, 2 means 20-50%, and 3 means less than 20%. For more information, please refer to the Bloomberg Thematic Protocol: Bloomberg Thematic Protocol.

The Issuer Free Float Market Capitalization is equal to the aggregate free float market capitalization of all securities for a particular issuer.

The top 50 securities in the sorted list as defined above are selected for inclusion in the Index.

Index Weighting

The Index is company modified market cap weighted. The initial weights, W_i, are assigned according to the Revenue Intensity, RI_i, as defined below.

$$W_i = \frac{RI_i}{\sum_1^M RI_i}$$

$$RI_i = FMC_i * RevenueMultiplier_i$$

$$RevenueMultiplier_i = \begin{cases} 1, & BI\ Revenue\ Assessment\ =\ 1 \\ 0.5, & BI\ Revenue\ Assessment\ =\ 2 \\ 0.2, & BI\ Revenue\ Assessment\ =\ 3 \end{cases}$$

Where:

W_i	Weight of security i
M	Number of Index Members
RI_i	Revenue Intensity of security i
FMC_i	Issuer free float market capitalization of security i

Securities' weights are then capped such that:

- No security's weight shall exceed 8% for the top 5 issuers by issuer free-float market cap

- No security's weight shall exceed 4% for the securities outside of the top 5 by issuer free-float market cap

- No security's weight shall be below 0.25%

Any excess weight from capping is distributed proportionally to all the remaining uncapped securities until all the above conditions are satisfied.

Index Rebalance and Reconstution

The Index is reconstituted and rebalanced quarterly in January, April, July, and October.

Selection Date

The Index Eligibility Process and Index Selection Process are applied using data as of the 1st Friday in January, April, July, and October.

Index Share Determination Date

Index Weighting is determined using prices as of the 1st Friday in January, April, July, and October.

Index Announcement Date

An Index reconstitution and rebalance announcement date shall be the 2nd Friday in January, April, July, and October.

Index Effective Date

The Index reconstitutions and rebalances go effective after the close of trading on the 3rd Friday in January, April, July, and October.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Selection Date (Eligibility)	1st Friday	X			X			X			X		
Selection Date (Weighting)	1st Friday	X			X			X			X		
Announcement Date	2nd Friday	X			X			X			X		
Effective Date	3rd Friday	X			X			X			X		

Section 4: Index Maintenance

Index Calculation

Refer to the Bloomberg Global Equity Indices Methodology for index calculation details.

Deletion Policy

Index securities are not deleted outside Index Rebalance and Reconstitution window except in the case of a delisting.

Addition Policy

Index securities are not added outside of the Index reconstitution.

Replacement Policy

Index securities are not replaced outside of the Index reconstitution.

Corporate Actions

Refer to Bloomberg Global Equity Indices Non-Market Cap Corporate Action Methodology for the treatment of corporate actions.

Section 5: Risks and Limitations

Risks

The following is a summary of certain risks associated with the Index but is not meant to be an exhaustive list of all risks associated with the Index. Although the Index is designed to be representative of the markets it is measuring, it may not be representative of every use case. There is also inherent, though transparent, judgment in its construction, as outlined in this Methodology. The Index is designed for general applicability and not to address the individual circumstances and needs of users. BISL does not advise about the usefulness of the Index to a particular circumstance; users are therefore encouraged to seek their own counsel for such

matters. This Methodology is subject to change, which may impact its usefulness to users. Although efforts will be made to alert users of any change, every individual user may not be aware of them. Such changes may also significantly impact the usefulness of the Index. BISL may also decide to cease publication of this Index. BISL maintains internal policies regarding user transitions, but no guarantee is given that an adequate alternative is available generally or for a particular use case. Markets for stocks, as with all markets, can be volatile. As the Index is designed to measure this market, it could be materially impacted by market movements, thus significantly affecting the use or usefulness of the Index for some or all users. Also, certain equity markets are less liquid than others – even the most liquid markets may suffer periods of illiquidity. Illiquidity can have an impact on the quality or amount of data available to BISL for calculation and may cause the Index to produce unpredictable results.

Limitations of the index

Though the Index is designed to be representative of the markets it measures or otherwise aligns with its stated objective, it may not be representative in every case or achieve its stated objective in all instances. It is designed and calculated strictly to follow the rules of this Methodology, and any Index level or other output is limited in its usefulness to such design and calculation.

Markets can be volatile, including those market interests that the Index measures or upon which the Index is dependent to achieve its stated objective. For example, illiquidity can have an impact on the quality or amount of data available to the administrator for calculation and may cause the Index to produce unpredictable or unanticipated results.

In addition, market trends and changes to market structure may render the objective of the Index unachievable or to become impractical to replicate by investors.

In particular, the Index measures global equity markets. As with all equity investing, the Index is exposed to market risk. The value of equities fluctuate with the changes in economic forecasts, interest rate policies established by central banks and perceived geo-political risk. The Index does not take into account the cost of replication and as a result a tracking portfolio's returns will underperform the Index with all else equal. As the Index is designed to measure those markets, it could be materially impacted by market movements, thus significantly impacting the use or usefulness of the fixings for some or all users.

In addition, certain sub-indices may be designed to measure smaller subsets of the Index such as specific styles, size, and sector. Some of these sub-indices have very few qualifying constituents and may have none for a period of time. During such period, the sub-index will continue to be published at its last value, effectively reporting a 0% return, until new constituents qualify. If no constituents are expected to qualify (due to changes in market structure and other factors), the sub-index may be discontinued. In such an event, this discontinuation will be announced to index users.

Section 6: Benchmark Oversight and Governance

Benchmark Governance Structure

Please refer to the BISL Benchmark Procedures Handbook available [here](#).

Index and data reviews

Please refer to the BISL Benchmark Procedures Handbook available [here](#).

Expert judgement

Please refer to the BISL Benchmark Procedures Handbook available [here](#).

Conflicts of interest

Please refer to the BISL Benchmark Procedures Handbook available [here](#).

Cessation policy

Please refer to the BISL Benchmark Procedures Handbook available [here](#).

Appendix A: ESG Disclosure

EXPLANATION OF HOW ESG FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY	
Item 1. Name of the benchmark administrator.	Bloomberg Index Services Limited ("BISL")
Item 2. Type of benchmark or family of benchmarks. *Choose the relevant underlying asset from the list provided in Annex II to Commission Delegated Regulation (EU)2020/1816.*	Equity
Item 3. Name of the benchmark or family of benchmarks.	Bloomberg Artificial Intelligence Index
Item 4. Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors?	No
Item 5. Where the response to Item 4 is positive, please list below, for each family of benchmarks, those ESG factors that are taken into account in the benchmark methodology, taking into account the ESG factors listed in Annex II to Delegated Regulation (EU) 2020/1816. Please explain how those ESG factors are used for the selection, weighting or exclusion of underlying assets. The ESG factors shall be disclosed at an aggregated weighted average value at the level of the family of benchmarks.	
(a) List of environmental factors considered:	Not applicable
(b) List of social factors considered:	Not applicable
(c) List of governance factors considered	Not applicable
Item 6. Where the response to Item 4 is positive, please list below, for each benchmark, those ESG factors that are taken into account in the benchmark methodology, taking into account the ESG factors listed in Annex II to Delegated Regulation (EU) 2020/1816, depending on the relevant underlying asset concerned. Please explain how those ESG factors are used for the selection, weighting or exclusion of underlying assets. The ESG factors shall not be disclosed for each constituent of the benchmark, but shall be disclosed at an aggregated weighted average value of the benchmark. Alternatively, all of this information may be provided in the form of a hyperlink to a website of the benchmark administrator included in this explanation. The information on the website shall be easily available and accessible. Benchmark administrators shall ensure that information published on their website remains available for five years.	
(a) List of environmental factors considered:	As above
(b) List of social factors considered:	As above
(c) List of governance factors considered:	As above
Item 7. Data and standards used	
(a) Data input. (i)*Describe whether the data are reported, modelled or sourced internally or externally.* (ii)*Where the data are reported, modelled or sourced externally, please name the third party data provider.*	Not Applicable
(b) Verification and quality of data. *Describe how data are verified and how the quality of those data is ensured.*	Not Applicable
(c) Reference standards *Describe the international standards used in the benchmark methodology.*	Not Applicable
Date on which information has been last updated and reason for the update:	August 2024

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