AI Actor Index
Assessing the risk of AI developers and deployers
November 2021
# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract</td>
<td>4</td>
</tr>
<tr>
<td>Executive Summary</td>
<td>4</td>
</tr>
<tr>
<td>Introduction</td>
<td>5</td>
</tr>
<tr>
<td>Mission Statement</td>
<td>5</td>
</tr>
<tr>
<td>What do the grades mean?</td>
<td>6</td>
</tr>
<tr>
<td>What the grading is not</td>
<td>6</td>
</tr>
<tr>
<td>Key Principles</td>
<td>6</td>
</tr>
<tr>
<td>Who is the Index For?</td>
<td>7</td>
</tr>
<tr>
<td>Definitions</td>
<td>7</td>
</tr>
<tr>
<td>Aggregation and Grades</td>
<td>7</td>
</tr>
<tr>
<td>Methodology</td>
<td>8</td>
</tr>
<tr>
<td>Scope</td>
<td>8</td>
</tr>
<tr>
<td>Scope and Objectives</td>
<td>8</td>
</tr>
<tr>
<td>Grading</td>
<td>8</td>
</tr>
<tr>
<td>Market Quality</td>
<td>9</td>
</tr>
<tr>
<td>Ranking Components</td>
<td>9</td>
</tr>
<tr>
<td>Component (aka 'Sub-Index')</td>
<td>9</td>
</tr>
<tr>
<td>Indicator</td>
<td>10</td>
</tr>
<tr>
<td>Hierarchy</td>
<td>12</td>
</tr>
<tr>
<td>Data Collection/Sources</td>
<td>12</td>
</tr>
<tr>
<td>Scoring</td>
<td>16</td>
</tr>
<tr>
<td>Indicator</td>
<td>16</td>
</tr>
<tr>
<td>Component (aka ‘Sub-Index’)</td>
<td>17</td>
</tr>
<tr>
<td>Overall Index Ranking</td>
<td>17</td>
</tr>
<tr>
<td>Details</td>
<td>18</td>
</tr>
<tr>
<td>Reports</td>
<td>25</td>
</tr>
<tr>
<td>Implications and Use Cases</td>
<td>26</td>
</tr>
<tr>
<td>Limitations and Challenges</td>
<td>27</td>
</tr>
</tbody>
</table>
Future Directions

Conclusion

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Providing a suite of professional services laser-focused on the EU AI Act

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Abstract

The Al & Partners’ AI Actor Index, introduced in 2021, is a pioneering framework dedicated to navigating the intricate realm of artificial intelligence ("AI") actors, encompassing both Developers and Deployers. Its fundamental objective is to furnish stakeholders with a comprehensive tool for assessing risk, amplifying transparency, and fostering accountability in the ever-evolving AI technology landscape.

This white paper offers a detailed exploration of the AI Actor Index, its evolution, and its pivotal role as an industry-standard benchmark for evaluating AI actors. The methodology underpinning the index is multi-dimensional and firmly grounded in a rich and diverse dataset.

The AI Actor Index stands as a crucial resource for individuals, organizations, and policymakers seeking to comprehend and navigate the complexities of AI technology in a rapidly changing world. It offers valuable insights and structured assessments of AI actors, facilitating informed decision-making and promoting responsible AI development and deployment. Through this white paper, we aim to shed light on the methodologies, findings, and implications of this innovative tool, thus advancing the understanding and responsible application of AI technology.

Executive Summary

The Al & Partners’ AI Actor Index, introduced in 2021, represents a significant milestone in the field of AI. It was meticulously crafted to address the pressing need for clarity, guidance, and accountability in an environment where AI is rapidly reshaping industries and societies. This Executive Summary encapsulates the essence of the index, highlighting its key contributions and significance.

- **Foundation for Evaluation**: The AI Actor Index serves as a foundational framework for assessing AI actors, encompassing both Developers and Deployers. It establishes a structured and comprehensive approach to evaluate AI-related risks, enhance transparency, and promote accountability, thereby contributing to responsible AI advancement.

- **Industry-Standard Benchmark**: Since its inception, the AI Actor Index has emerged as an industry-standard reference for evaluating AI actors. It provides a common language and methodology for stakeholders across diverse sectors, facilitating informed decision-making and fostering responsible AI practices.

- **Multi-Dimensional Methodology**: At the core of the AI Actor Index is a multi-dimensional methodology that considers a wide range of factors, ensuring a comprehensive assessment of AI actors. This approach goes beyond surface-level evaluations to provide a nuanced understanding of their capabilities, intentions, and impact.

- **Data-Driven Insights**: The methodology is rooted in a rich, diverse dataset, enabling evidence-based assessments. By incorporating a broad spectrum of data sources, the index offers a holistic perspective on AI actors, further enhancing its utility as a decision-making tool.

- **Guidance and Direction**: In a rapidly evolving AI landscape, the AI Actor Index is designed to provide much-needed guidance to individuals, organizations, and policymakers. It empowers stakeholders to navigate the complexities of AI landscape, make informed choices, and align their strategies with responsible AI practices.
This white paper delves into the AI Actor Index in greater detail, offering insights into its methodology, results, implications, and future directions. It is a valuable resource for anyone seeking to understand, assess, and contribute to the responsible development and deployment of AI technology. With the AI Actor Index, we aim to foster a global environment where AI innovation thrives hand in hand with accountability and transparency.

Introduction
In a world where AI is rapidly transforming industries, societies, and the way we interact with technology, the need for clarity, guidance, and accountability within the AI landscape has never been more crucial. It is in this context that AI & Partners is proud to introduce the AI Actor Index in 2021.

The AI Actor Index is designed to provide a solid foundation for understanding and evaluating the diverse entities that play a role in the AI ecosystem, particularly focusing on Developers and Deployers. These actors, through their innovations, applications, and integrations, significantly impact the dynamic field of AI technology.

The inception of the AI Actor Index arose from a recognition of the profound implications and the vast potential of AI, as well as the potential risks and ethical challenges that accompany its growth. It became apparent that a structured framework was needed, one that could serve as a compass for individuals, organizations, and policymakers, helping them navigate the complexities of AI technology.

This white paper serves as an introduction to the AI Actor Index, exploring its evolution and development since its launch in 2021. We delve into the core principles behind its creation and discuss the crucial role it plays in shaping the responsible and transparent future of AI. By providing a common language and methodology for assessing AI actors, the index paves the way for informed decision-making, ethical AI development, and the promotion of accountability throughout the AI landscape.

In the pages that follow, you will find a comprehensive exploration of the AI Actor Index, its methodology, key components, findings, and the potential implications it carries for AI technology. We invite you to join us in this journey to better understand and shape the AI landscape, ensuring that it is not only innovative but also responsible and beneficial for all.

Mission Statement
AI & Partners’ AI Actor Index, launched in 2021, was designed to provide clarity and guidance within the rapidly evolving landscape of artificial intelligence (“AI”) actors, such as Developers and Deployers. It serves as a foundational framework for evaluating risk, enhancing transparency, and promoting accountability in the dynamic field of AI technology. Since its inception, it has evolved into an industry-standard for assessing AI actors, embracing a methodology that is multi-dimensional and rooted in a rich dataset. Analyzing AI actors across nine essential categories of AI-focused evaluation:

1. **AI Development Expertise**: Assessing the technical proficiency, experience, and innovation capabilities of AI developers in creating cutting-edge AI solutions.
2. **Ethical AI Practices**: Evaluating the commitment to ethical AI development, including transparency, fairness, and bias mitigation strategies.
3. **AI Solution Quality**: Measuring the quality and performance of AI solutions, including accuracy, efficiency, and adaptability to various use cases.

4. **Data Handling and Privacy**: Assessing data governance practices, data privacy, and security measures in AI data processing and storage.

5. **AI Deployment and Integration**: Evaluating the effectiveness and efficiency of AI deployment and integration into existing systems and processes.

6. **AI Ecosystem Engagement**: Identifying involvement in AI partnerships, collaborations, and contributions to the broader AI ecosystem.

7. **AI Regulatory Compliance**: Assessing adherence to AI-related regulations and standards, ensuring compliance with legal and ethical frameworks.

8. **AI Social and Environmental Impact**: Measuring the societal and environmental impact of AI solutions, including applications that address social challenges and promote sustainability.

9. **AI Employment and Career Impact**: Measuring the employment and career impact of AI solutions that address career and employment challenges.

We implement an innovative and adaptive ranking methodology specifically tailored to the field of AI. It combines both qualitative and quantitative AI-centric metrics to assign a grade to each developer or deployer, facilitating the identification of developers and deployers with the lowest AI-associated risks within the industry. The Benchmark is built on an extensive foundation of research, delving into a range of qualitative and quantitative AI-specific metrics to offer a comprehensive assessment of AI actors.

**What do the grades mean?**

The AI Actor Benchmark ranks AI Actors from AA-E. We classify a Top-Tier actor as any in the AA-B bracket and Lower-Tier actors as those graded C-E. Actors in the Top-Tier meet our minimum threshold for acceptable risk.

**What the grading is not**

This grading does not connote overall superiority, instead it represents a means of ranking AI actors according to risk. The AI Actor Benchmark does not serve as a guide to which platform is superior for trading, nor the reliability of reported volumes.

**Key Principles**

Developers and Deployers are inherently different persons. However, both groups have been evaluated using identical metrics and framework. Some key principles of this framework are outlined below:

- A set of categories have been devised which represent key risk areas which are relevant for Developers or Deployers, and relate to their specific value proposition - these have been outlined in the prior two pages. Categories have weightings based on their relative risk importance - these weightings are decided at AI & Partners’ discretion, and may change in future editions of the Benchmark.
- Each category includes a range of metrics that can quantitatively or qualitatively measure the performance of a Developer or Deployer. Metrics are then given points based on their importance within that category - again decided at AI & Partners’ discretion.
• Points are aggregated within each category and are then scaled to the category weighting. Each category score is summed up to reach a total score.
• Developers and Deployers are granted a grade given their final score, ranging from AA - F. The scores and grades across Developers and Deployers are comparable. We define ‘Top-Tier’ Developers and Deployers as those attained a grade B or higher, whereas those attaining a grade C or lower are considered ‘Lower-Tier’. The grading brackets as well as the definition of ‘Top-Tier’ is subject to change given the developments of the industry.

Who is the Index For?
• Developers and Deployers looking to conduct thorough competitor analysis, understand industry trends and areas for competitive parity.
• Funds looking to assess counterparty risk and opportunities in AI markets.
• Service Providers such as insurers, and compliance services who want to gain a better understanding of the industry and identify potential customers.
• Regulators who are looking to develop policy, or better understand the global AI landscape.
• Investors who want to identify the least risky firms to support.

Definitions
Developers: A developer is an individual or a professional who is responsible for designing, creating, and programming software applications, websites, or other digital solutions. Developers write the code that defines the functionality and behavior of these systems. They work on various aspects of software development. They may specialize in different areas.

Deployers: A deployer is a role or entity responsible for the deployment of software or technology solutions into a production environment. Deployment involves the process of taking a developed application or system and making it available and operational for end-users or clients. Deployers ensure that the software or technology functions correctly in the target environment, manages server configurations, sets up databases, and monitors system performance. They may also be responsible for version control, updates, and maintenance after deployment. Deployers play a critical role in ensuring that the software or technology is accessible and operational for its intended users.

Other: These individuals may have distinct roles or functions that support the deployment process indirectly, such as legal experts, quality assurance testers, project managers, or user experience designers. Their contributions are essential for ensuring compliance, quality, project coordination, or user satisfaction but are not the primary roles of deployers or developers.

Aggregation and Grades
Scores from each category are aggregated to form a total cumulative score. The maximum score is 100.

Minimum Threshold for AA-A Status
To ensure that only the lowest risk developers and deployers achieve AA - A status, we have created minimum thresholds across certain categories. These include:
AI Actor Index

- 60% or above for AI Regulatory Compliance, AI Technical Proficiency, AI Ethical Practices, AI Innovation and Research, AI Industry Impact, and AI Data Governance (each is one threshold).
- 5% or above for AI Partnerships and Collaborations, and AI Social and Environmental Responsibility.

If a Developer or Deployer breaches two thresholds, their score is capped at 70 (i.e. a BB ranking).

Table A: Aggregation

<table>
<thead>
<tr>
<th>Category</th>
<th>Maximum Points</th>
<th>Minimum Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI Regulatory Compliance</td>
<td>1.670</td>
<td>0.175 (60%)</td>
</tr>
<tr>
<td>AI Technical Proficiency</td>
<td>0.940</td>
<td>0.099 (60%)</td>
</tr>
<tr>
<td>AI Ethical Practices</td>
<td>1.590</td>
<td>0.095 (60%)</td>
</tr>
<tr>
<td>AI Innovation and Research</td>
<td>0.800</td>
<td>0.048 (60%)</td>
</tr>
<tr>
<td>AI Industry Impact</td>
<td>1.410</td>
<td>0.127 (60%)</td>
</tr>
<tr>
<td>AI Data Governance</td>
<td>0.810</td>
<td>0.049 (60%)</td>
</tr>
<tr>
<td>AI Partnerships and Collaboration</td>
<td>0.150</td>
<td>0.004 (50%)</td>
</tr>
<tr>
<td>AI Social and Environmental</td>
<td>0.820</td>
<td>0.020 (50%)</td>
</tr>
<tr>
<td>Responsibility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI Employment and Career Impact</td>
<td>0.820</td>
<td>0.041 (50%)</td>
</tr>
<tr>
<td>Total Cumulative Points Available</td>
<td>9.010</td>
<td>-</td>
</tr>
</tbody>
</table>

Table B: Grading

<table>
<thead>
<tr>
<th>Score</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>=&gt;0.904</td>
<td>AA</td>
</tr>
<tr>
<td>0.775 - 0.903</td>
<td>A</td>
</tr>
<tr>
<td>0.645 - 0.774</td>
<td>BB</td>
</tr>
<tr>
<td>0.517 - 0.645</td>
<td>B</td>
</tr>
<tr>
<td>0.388 - 0.516</td>
<td>C</td>
</tr>
<tr>
<td>0.259 - 0.387</td>
<td>D</td>
</tr>
<tr>
<td>0.129 - 0.258</td>
<td>E</td>
</tr>
<tr>
<td>&lt;=0.128</td>
<td>F</td>
</tr>
</tbody>
</table>

Methodology

Scope

Scope and Objectives

We combine qualitative and quantitative metrics to assign a grade to developers and deployers. Each metric is converted into a series of points based on clearly defined criteria. Metrics were categorised into several buckets and distributed fairly to arrive at a final robust score, ensuring that no one metric overly influences the overall developer or deployer ranking.

Grading

A grading system was implemented to assign each developer or deployer a grade (AA, A, BB, B, C, D, E, F) based on its total cumulative score out of 9.010. Top-Tier developers or deployers refer to those that
have scored at least 0.517 points (B and above). Minimum score thresholds are applied to AA and A ratings to ensure only the least risky developers or deployers are granted a top grade. If one or two thresholds are not met, a developers or deployers final score will be capped at A and BB grades respectively.

Market Quality
We measure the market quality of each developer or deployer using a combination of related figures and metrics. Developers or deployers were rated based on a combination of each developers’ or deployers’ top five markets. Points were distributed via a proprietary math function that takes into account the aforementioned data. We then arrive at an overall ranking that is robust across several markets for each developer or deployer.

Ranking Components
Component (aka ‘Sub-Index’)
The overall ranking consists of the following components and subsequent weightings:

1. AI Regulatory Compliance
2. AI Technical Proficiency
3. AI Ethical Practices
4. AI Innovation and Research
5. AI Industry Impact
6. AI Data Governance
7. AI Partnerships and Collaboration
8. AI Social and Environmental Responsibility
9. AI Employment and Career Impact

- AI Regulatory Compliance: 18%
- AI Technical Proficiency: 18%
- AI Ethical Practices: 5%
- AI Innovation and Research: 11%
- AI Industry Impact: 16%
- AI Data Governance: 11%
- AI Partnerships and Collaboration: 5%
- AI Social and Environmental Responsibility: 11%
- AI Employment and Career Impact: 11%
Indicator
The overall ranking consists of the following indicators and subsequent weightings:

1. **AI Regulatory Compliance**
   a. Regulatory Documentation Alignment
   b. Ethical AI Integration
   c. Data Privacy and Security Protocols

2. **AI Technical Proficiency**
   a. Machine Learning Algorithms
   b. Model Accuracy
   c. Infrastructure Quality

3. **AI Ethical Practices**
   a. Fairness in AI Development
   b. Transparency and Accountability
   c. Privacy and Data Handling

4. **AI Innovation and Research**
   a. Research Publications
   b. Technical Patents
   c. Conference Presentations

5. **AI Industry Impact**
   a. Industry-Specific Reports
   b. Case Studies
   c. User Feedback

6. **AI Data Governance**
   a. Data Handling Practices
   b. Data Security Measures
   c. Data Privacy Audits

7. **AI Partnerships and Collaboration**
   a. Strategic Alliances
   b. Partnerships
   c. Collaboration Impact

8. **AI Social and Environmental Responsibility**
   a. Social Impact
   b. Environmental Sustainability
   c. Participation in AI for Good Projects

9. **AI Employment and Career Impact**
   a. Job Placement Rate
   b. Skills Enhancement and Acquisition
   c. Income Growth
   d. Job Satisfaction and Retention
e. Reduction in Unemployment Duration

- Indicator: Reduction in Unemployment Duration
- Indicator: Job Satisfaction and Retention
- Indicator: Income Growth
- Indicator: Skills Enhancement and Acquisition
- Indicator: Job Placement Rate
- Indicator: Participation in AI for Good Projects
- Indicator: Environmental Sustainability
- Indicator: Social Impact
- Indicator: Collaboration Impact
- Indicator: Partnerships
- Indicator: Strategic Alliances
- Indicator: Data Privacy Audits
- Indicator: Data Security Measures
- Indicator: Data Handling Practices
- Indicator: User Feedback
- Indicator: Case Studies
- Indicator: Industry-Specific Reports
- Indicator: Conference Presentations
- Indicator: Technical Patents
- Indicator: Research Publications
- Indicator: Privacy and Data Handling
- Indicator: Transparency and Accountability
- Indicator: Fairness in AI Development
- Indicator: Infrastructure Quality
- Indicator: Model Accuracy
- Indicator: Machine Learning Algorithms
- Indicator: Data Privacy and Security Protocols
- Indicator: Ethical AI Integration
- Indicator: Regulatory Documentation Alignment

Weighting

Reduction in Unemployment Duration
Job Satisfaction and Retention
Income Growth
Skills Enhancement and Acquisition
Job Placement Rate
Participation in AI for Good Projects
Environmental Sustainability
Social Impact
Collaboration Impact
Partnerships
Strategic Alliances
Data Privacy Audits
Data Security Measures
Data Handling Practices
User Feedback
Case Studies
Industry-Specific Reports
Conference Presentations
Technical Patents
Research Publications
Privacy and Data Handling
Transparency and Accountability
Fairness in AI Development
Infrastructure Quality
Model Accuracy
Machine Learning Algorithms
Data Privacy and Security Protocols
Ethical AI Integration
Regulatory Documentation Alignment

0.000 0.100 0.200 0.300 0.400 0.500 0.600 0.700 0.800

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## Hierarchy

The hierarchy between the different elements of the index is shown below.

### Data Collection/Sources

<table>
<thead>
<tr>
<th>Data</th>
<th>Method</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Self-assessment report</strong></td>
<td>Distribute standardized self-assessment questionnaires to AI actors, requesting detailed information about their AI-related activities, ethical practices, impact, and compliance.</td>
<td>Encourage AI actors to provide supporting documents and evidence to substantiate their self-assessment.</td>
</tr>
<tr>
<td><strong>Internal policies</strong></td>
<td>Request AI actors to share their internal policy documents related to AI development, data governance, and ethical practices.</td>
<td>Review the policies for alignment with best practices and ethical guidelines.</td>
</tr>
<tr>
<td><strong>Regulatory documents</strong></td>
<td>Gather publicly available regulatory documents and compliance reports related to AI actors’ operations from governmental or industry regulatory bodies.</td>
<td>Ensure access to the most recent and relevant regulatory documents that apply to AI actors.</td>
</tr>
<tr>
<td><strong>AI Actor Index</strong></td>
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<tr>
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<td></td>
</tr>
<tr>
<td><strong>Guidance from government agencies</strong></td>
<td>Collect guidance documents, advisories, or recommendations related to AI from government agencies or industry bodies.</td>
<td>Assess the relevance and currency of the guidance provided.</td>
</tr>
<tr>
<td><strong>Machine learning algorithms</strong></td>
<td>Use data mining techniques to extract information about the machine learning algorithms used by AI actors from their publications, websites, and technical documents.</td>
<td>Consider the specific algorithms, frameworks, and tools employed by AI actors in their AI solutions.</td>
</tr>
<tr>
<td><strong>Model accuracy</strong></td>
<td>Gather data on the accuracy of AI models by extracting performance metrics from published reports, research papers, or case studies.</td>
<td>Verify the accuracy metrics against real-world use cases to assess practical performance.</td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>Analyze technical specifications, server configurations, and infrastructure details from publicly available documentation or online resources.</td>
<td>Assess the scalability, reliability, and technology stack used in the infrastructure.</td>
</tr>
<tr>
<td><strong>Open-source contributions</strong></td>
<td>Track AI actors' contributions to open-source AI projects by monitoring code repositories and development activity on platforms like GitHub.</td>
<td>Examine the nature and extent of contributions, such as code commits, issue resolutions, and project leadership roles.</td>
</tr>
<tr>
<td><strong>Peer-reviewed papers</strong></td>
<td>Collect information from peer-reviewed research publications authored by or affiliated with AI actors.</td>
<td>Consider the journals, conferences, and publication dates of the papers to gauge their academic significance.</td>
</tr>
<tr>
<td><strong>Ethical guidelines</strong></td>
<td>Request and review documents outlining ethical guidelines and principles followed by AI actors in their AI development.</td>
<td>Assess the comprehensiveness of ethical guidelines and their practical implementation.</td>
</tr>
<tr>
<td>Report Type</td>
<td>Description</td>
<td>Verification Objectives</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Reports on bias mitigation</td>
<td>Gather reports and studies related to bias mitigation strategies implemented by AI actors, either through self-reporting or third-party assessments.</td>
<td>Verify the effectiveness of bias mitigation strategies and their impact on AI solutions.</td>
</tr>
<tr>
<td>Internal ethical policies</td>
<td>Collect and review internal ethical policies and codes of conduct established by AI actors.</td>
<td>Evaluate the alignment of internal policies with external ethical standards and practices.</td>
</tr>
<tr>
<td>Research publications</td>
<td>Access and catalog AI research publications authored by AI actors, typically available in academic journals, conference proceedings, or research repositories.</td>
<td>Consider the subject areas, collaboration networks, and citation counts of the research publications.</td>
</tr>
<tr>
<td>Technical patents</td>
<td>Consider the subject areas, collaboration networks, and citation counts of the research publications.</td>
<td>Assess the relevance and impact of patents on AI technologies and innovation.</td>
</tr>
<tr>
<td>Conference presentations</td>
<td>Attend AI-related conferences and events where AI actors are presenting their work, or gather information from conference websites.</td>
<td>Review presentation materials and audience feedback for insights into the impact of presentations.</td>
</tr>
<tr>
<td>Academic collaborations</td>
<td>Contact universities and research institutions to collect data on AI actors' collaborations with academic partners.</td>
<td>Consider the focus areas and outcomes of academic collaborations.</td>
</tr>
<tr>
<td>Industry-specific reports</td>
<td>Obtain industry-specific reports from reputable sources that assess the impact and performance of AI actors in specific sectors.</td>
<td>Verify the credibility and objectivity of industry-specific reports.</td>
</tr>
<tr>
<td>Case studies</td>
<td>Collect and review case studies provided by AI actors themselves or produced by third parties, showcasing their AI solutions' real-world applications.</td>
<td>Assess the variety of use cases and the effectiveness of AI solutions in different scenarios.</td>
</tr>
<tr>
<td>User feedback</td>
<td>Solicit user feedback through surveys, online reviews, and social media monitoring to understand user experiences and satisfaction with AI solutions.</td>
<td>Consider the volume of feedback, sentiment analysis, and the responsiveness of AI actors to user concerns.</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Data handling and privacy audits</td>
<td>Access publicly available data handling and privacy audit reports, which may be released by third-party auditors or regulatory bodies.</td>
<td>Review audit findings, compliance levels, and corrective actions taken.</td>
</tr>
<tr>
<td>Cybersecurity reports</td>
<td>Gather cybersecurity reports and assessments of AI actors’ data security practices from independent security firms or audits.</td>
<td>Evaluate the vulnerability assessments and security measures implemented.</td>
</tr>
<tr>
<td>Data security compliance certifications</td>
<td>Collect information about data security compliance certifications achieved by AI actors, such as ISO 27001 or SOC 2, from official certification bodies.</td>
<td>Verify the current status of certifications and any past compliance issues.</td>
</tr>
<tr>
<td>Official partnership announcements</td>
<td>Monitor official partnership announcements made by AI actors through press releases, websites, or news sources.</td>
<td>Verify the scope and objectives of partnerships and their alignment with AI actors’ missions.</td>
</tr>
<tr>
<td>Collaboration agreements</td>
<td>Request copies of collaboration agreements between AI actors and their partners to understand the terms and scope of their collaborations.</td>
<td>Assess the obligations, contributions, and success criteria defined in collaboration agreements.</td>
</tr>
<tr>
<td>Collaboration impact metrics</td>
<td>Assess the impact of collaborations by analyzing relevant metrics, such as project outcomes, publications, or joint initiatives between AI actors and their partners.</td>
<td>Consider the long-term impact and sustainability of collaborations on AI development and deployment.</td>
</tr>
<tr>
<td>Reports on social impact</td>
<td>Collect and review reports and publications that assess the social impact and contributions of AI actors in addressing societal challenges.</td>
<td>Evaluate the methodologies used for assessing social impact and the extent of AI actors’ contributions to social causes.</td>
</tr>
<tr>
<td>Environmental initiatives</td>
<td>Access information on environmental initiatives and sustainability efforts undertaken by AI actors, often available in sustainability reports or official statements.</td>
<td>Consider the environmental goals, progress, and impact of sustainability initiatives.</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Participation in AI for good projects</td>
<td>Gather information about AI actors' involvement in AI for Good projects and initiatives through official project documentation, press releases, or public records.</td>
<td>Assess the goals, outcomes, and contributions of AI actors to AI for Good initiatives and their alignment with global challenges.</td>
</tr>
<tr>
<td>Wage and Salary Data</td>
<td>Collect wage and salary data from users before they start using AI services and periodically thereafter to track income changes.</td>
<td>Ensure that the data is collected from a representative sample of users to draw meaningful conclusions about income growth.</td>
</tr>
<tr>
<td>Internal AI Service Analytics</td>
<td>Analyze the internal data generated by the AI service providers, which typically includes user activity, feedback, and outcomes.</td>
<td>Verify the accuracy and reliability of the data provided by the AI service providers to ensure it aligns with the indicators being measured.</td>
</tr>
<tr>
<td>Unemployment Duration Records</td>
<td>Compare the average length of unemployment for individuals before and after they start using AI-based tools.</td>
<td>Collect data from a large and diverse group of job seekers to obtain reliable results.</td>
</tr>
</tbody>
</table>

**Scoring Indicator**

The normalised value for each indicator \((a)\) is calculated by a combination of the data value \((b)\), the minimum value \((c)\), and the maximum value \((d)\). The formula is shown below.

\[
a = \frac{(b - c)}{(d - c)}
\]

A worked example for the component, ‘AI Regulatory Compliance’, and indicator, ‘Regulatory Documentation Alignment’, is shown below.

- **Data**: 4
- **Minimum**: 2
- **Maximum**: 8
- **Normalised**: 0.333
Component (aka ‘Sub-Index’)  
The weighted sum value for each component (a) is calculated by a combination of the amalgamated score of each indicator (b) and the component’s weighting (c). b is calculated by multiplying the normalised value by its weighting. The formula is shown below.

\[ a = b \times c \]

A worked example for the component, ‘AI Regulatory Compliance’ is shown below.

- **Regulatory Documentation Alignment:**
  - Normalised: 0.333
  - Weighting: 0.500
- **Ethical AI Integration**
  - Normalised: 0.167
  - Weighting: 0.430
- **Data Privacy and Security Protocols**
  - Normalised: 0.500
  - Weighting: 0.740

**Score**: 0.61 \((0.333\times0.500) + (0.167\times0.430) + (0.500\times0.740)\)

**Weight**: 0.175

**Weighted Sum**: 0.11

### Overall Index Ranking

The overall index ranking (a) is calculated by summing the weighted sum of each component \((n^a)\). The formula is shown below.

\[ a = n^a \]

A worked example for the component, ‘AI Regulatory Compliance’ is shown below.

- **AI Regulatory Compliance**: 0.11
- **AI Technical Proficiency**: 0.16
- **AI Ethical Practices**: 0.16
- **AI Innovation and Research**: 0.08
- **AI Industry Impact**: 0.21
- **AI Data Governance**: 0.08
- **AI Partnerships and Collaboration**: 0.01
- **AI Social and Environmental Responsibility**: 0.04
- **AI Employment and Career Impact**: 0.08

**Overall Index Ranking**: 0.851

The grade is then assigned based on what the overall index ranking is mapped to in the grading scale.
## Al Actor Index

### Details

<table>
<thead>
<tr>
<th>Domain</th>
<th>Indicator</th>
<th>Definition</th>
<th>Notes</th>
<th>Score Range (0-10):</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI Regulatory Compliance</td>
<td>Regulatory Documentation Alignment</td>
<td>This indicator evaluates the extent to which the organization aligns its AI practices with relevant regulatory documents, including laws, guidelines, and industry-specific standards. It assesses the organization’s commitment to understanding and implementing the legal requirements related to AI.</td>
<td>The assessment should focus on the organization’s awareness and alignment with the specific regulatory documents applicable to their AI activities. This includes understanding, interpreting, and implementing these documents.</td>
<td>(0-10): 0-3 (Low alignment) 4-7 (Moderate alignment) 8-10 (High alignment).</td>
</tr>
<tr>
<td>AI Regulatory Compliance</td>
<td>Ethical AI Integration</td>
<td>This indicator assesses the organization’s incorporation of ethical considerations, such as fairness, transparency, and accountability, into its AI practices. It evaluates whether the organization actively integrates ethical principles in its AI development and deployment.</td>
<td>Ethical AI is essential for building trust and responsible AI applications. The assessment should focus on the proactive integration of ethical principles, not just passive compliance.</td>
<td>(0-10): 0-3 (Minimal integration) 4-7 (Moderate integration) 8-10 (Full integration).</td>
</tr>
<tr>
<td>AI Regulatory Compliance</td>
<td>Data Privacy and Security Protocols</td>
<td>This indicator assesses the organization’s data privacy and security measures in AI data processing and storage. It evaluates the robustness of protocols in place to safeguard sensitive information and protect against data breaches.</td>
<td>Compliance with data privacy laws, like GDPR, HIPAA, and effective data security measures are crucial. The assessment should examine the quality and effectiveness of the organization’s data protection practices.</td>
<td>(0-10): 0-3 (Inadequate measures) 4-7 (Moderate measures) 8-10 (Robust measures).</td>
</tr>
<tr>
<td>AI Technical Proficiency</td>
<td>Machine Learning Algorithms</td>
<td>This indicator evaluates the AI developer’s knowledge, application, and innovation in the field of machine learning algorithms. It assesses their ability to select, adapt, and create machine learning algorithms to develop cutting-edge AI solutions.</td>
<td>Consider the breadth of the developer’s understanding of machine learning algorithms, their proficiency in applying these algorithms to diverse problems, and their capacity to innovate by creating novel algorithms or optimizing existing ones.</td>
<td>(0-10): 0-3: Limited knowledge and application of machine learning algorithms. 4-7: Moderate understanding and application, with some adaptation of algorithms. 8-10: Comprehensive knowledge, advanced application, and significant innovation in machine learning algorithms.</td>
</tr>
<tr>
<td>AI Technical Proficiency</td>
<td>Model Accuracy</td>
<td>This indicator assesses the AI developer's ability to design, train, and fine-tune AI models to achieve high accuracy and effectiveness in solving specific tasks. It measures their proficiency in optimizing model performance.</td>
<td>Evaluate the developer's familiarity with model evaluation metrics, experience in mitigating issues like overfitting and bias, and their track record in consistently achieving high accuracy in AI solutions. Real-world performance and case studies are crucial components for this assessment.</td>
<td>Score Range (0-10): 0-3: Inconsistent accuracy, limited experience in model optimization. 4-7: Moderate accuracy, some experience in fine-tuning models. 8-10: Consistently high accuracy, expertise in model optimization.</td>
</tr>
<tr>
<td>Al Technical Proficiency</td>
<td>Infrastructure Quality</td>
<td>This indicator evaluates the quality and efficiency of the technical infrastructure used by the AI developer in the development of AI solutions. It assesses the infrastructure's capacity to support data processing, model training, and deployment effectively.</td>
<td>Consider factors such as the infrastructure's scalability, speed, cost-effectiveness, and its ability to meet the specific demands of AI projects. Assess how well it supports innovation and optimal performance.</td>
<td>Score Range (0-10): 0-3: Inadequate infrastructure that hinders AI development. 4-7: Moderate infrastructure with some scalability and efficiency. 8-10: High-quality infrastructure that facilitates innovation and optimal performance.</td>
</tr>
<tr>
<td>AI Ethical Practices</td>
<td>Fairness in AI Development</td>
<td>This indicator assesses the organization's commitment to ensuring fairness in AI development. It evaluates the steps taken to prevent and mitigate bias, discrimination, and unfair treatment in AI systems, especially with regard to underrepresented groups.</td>
<td>Consider the organization's awareness of fairness issues, the use of unbiased data, the fairness of AI algorithms, and the presence of mechanisms for addressing fairness concerns.</td>
<td>Score Range (0-10): 0-3: Minimal commitment to fairness and limited mitigation strategies. 4-7: Moderate commitment with some fairness measures in place. 8-10: Strong commitment to fairness, extensive bias mitigation strategies, and comprehensive fairness assessment.</td>
</tr>
<tr>
<td>AI Ethical Practices</td>
<td>Transparency and Accountability</td>
<td>This indicator evaluates the organization’s practices for transparency and accountability in AI development. It assesses the extent to which the organization discloses AI decision-making processes and is accountable for AI system behavior.</td>
<td>Examine the organization's policies for explaining AI decisions, its willingness to share information about its AI systems, and the mechanisms for addressing issues and holding the organization accountable for AI outcomes.</td>
<td>Score Range (0-10): 0-3: Limited transparency and accountability practices. 4-7: Moderate transparency and accountability with some disclosure mechanisms. 8-10: High transparency and accountability, extensive information</td>
</tr>
</tbody>
</table>
## AI Ethical Practices

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Score Range (0-10):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privacy and Data Handling</td>
<td>This indicator assesses the organization’s commitment to privacy and responsible data handling in AI development. It evaluates how well the organization safeguards user data, respects privacy rights, and complies with data protection regulations.</td>
<td>Consider the organization’s data privacy policies, data encryption practices, user consent mechanisms, and compliance with relevant data protection laws (e.g., GDPR).</td>
</tr>
</tbody>
</table>

## AI Innovation and Research

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Score Range (0-10):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Publications</td>
<td>This indicator assesses the quality and depth of the organization’s contributions to AI research through peer-reviewed publications. It measures the impact and significance of the research in advancing the field.</td>
<td>Consider the organization’s publication record in reputable AI conferences and journals, the depth of research contributions, and their influence on the AI community and industry.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indicator</th>
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<th>Score Range (0-10):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Patents</td>
<td>This indicator evaluates the organization’s innovative capabilities as evidenced by the number and significance of technical patents related to AI technologies. It measures the organization’s impact on AI innovation.</td>
<td>Consider the quantity and quality of technical patents, their relevance to cutting-edge AI solutions, and their influence on technological advancements in AI.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indicator</th>
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<th>Score Range (0-10):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference Presentations</td>
<td>This indicator assesses the organization’s active participation in AI conferences and industry events through presentations. It measures the quality and significance of the presentations.</td>
<td>Consider the organization’s presence at AI conferences, the depth and relevance of the presentations, and their contributions to the AI community.</td>
</tr>
</tbody>
</table>

## Score Range (0-10):

- **0-3:** Weak data privacy practices, non-compliance with data protection laws.
- **4-7:** Moderate data privacy measures and some compliance.
- **8-10:** Strong commitment to data privacy, robust data protection measures, and full legal compliance.
# AI Actor Index

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Score Range (0-10)</th>
<th>Description</th>
</tr>
</thead>
</table>
| **AI Industry Impact**            |                    | **Industry-Specific Reports**<br> This indicator assesses the organization’s contribution to industry knowledge and best practices by producing in-depth, industry-specific reports that evaluate the effectiveness and efficiency of AI deployment and integration into existing systems and processes.  
Evaluate the organization’s ability to provide detailed insights into AI’s impact on the industry, covering areas such as performance improvements, cost reduction, and process optimization.  
Score Range (0-10):  
0-3: No industry-specific reports available.  
4-7: Limited industry-specific reports with moderate insights.  
8-10: Comprehensive and impactful industry-specific reports available, providing valuable insights into AI’s impact. |
| **AI Industry Impact**            |                    | **Case Studies**<br> This indicator evaluates the organization’s effectiveness in showcasing the impact of AI through detailed and practical case studies. It assesses the ability to demonstrate real-world examples of AI integration and its resulting benefits.  
This indicator evaluates the organization’s effectiveness in showcasing the impact of AI through detailed and practical case studies. It assesses the ability to demonstrate real-world examples of AI integration and its resulting benefits.  
Score Range (0-10):  
0-3: Limited or no case studies available.  
4-7: Some case studies with moderate insights into AI impact.  
8-10: Comprehensive and impactful case studies available, showcasing AI’s real-world benefits. |
| **AI Industry Impact**            |                    | **User Feedback**<br> This indicator assesses the organization’s effectiveness in collecting and showcasing user feedback on the AI solutions and their impact on existing systems and processes.  
Consider the volume of user feedback, the positivity of the feedback, and the extent to which user experiences reflect improved effectiveness and efficiency due to AI integration.  
Score Range (0-10):  
0-3: Limited or no user feedback available.  
4-7: Some user feedback with mixed results.  
8-10: Abundant positive user feedback demonstrating AI’s significant impact. |
| **AI Data Governance**            |                    | **Data Handling Practices**<br> This indicator assesses the quality of an organization’s data handling practices during AI data processing and storage. It evaluates how well the organization manages data throughout its lifecycle, from collection to disposal, ensuring proper governance, accuracy, and usability.  
Consider the organization’s data collection processes, data cleaning and preprocessing, data storage and access control, and data retention and disposal policies. Effective data handling practices ensure the integrity and utility of data for AI applications.  
Score Range (0-10):  
0-3: Inadequate data handling practices, posing risks to data integrity and usability.  
4-7: Moderately effective data handling practices, with room for improvement.  
8-10: Strong data handling practices, ensuring data integrity and usability. |
<table>
<thead>
<tr>
<th><strong>AI Data Governance</strong></th>
<th><strong>AI Data Governance</strong></th>
<th><strong>AI Partnerships and Collaborations</strong></th>
<th><strong>Score Range (0-10):</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Al Data Governance</strong></td>
<td><strong>Data Security Measures</strong></td>
<td><strong>Strategic Alliances</strong></td>
<td><strong>Score Range (0-10):</strong></td>
</tr>
<tr>
<td><strong>This indicator evaluates the organization’s measures to secure AI data during processing and storage. It assesses the effectiveness of security mechanisms and practices in safeguarding data from unauthorized access and breaches.</strong></td>
<td><strong>Consider the organization’s use of encryption, access controls, intrusion detection systems, and incident response procedures to protect AI data. Strong data security measures are essential to prevent data breaches and ensure data confidentiality.</strong></td>
<td><strong>Consider the significance and depth of these alliances, the alignment of strategic goals, and the potential for mutual benefit. Strategic alliances should go beyond basic partnerships and involve shared strategic planning and execution.</strong></td>
<td><strong>0-3: Weak data security measures, leaving data vulnerable to breaches.</strong></td>
</tr>
<tr>
<td><strong>Score Range (0-10):</strong></td>
<td><strong>4-7: Moderate data security measures with some protection in place.</strong></td>
<td><strong>8-10: Robust data security measures, ensuring data protection and confidentiality.</strong></td>
<td><strong>0-3: Infrequent or inadequate data privacy audits.</strong></td>
</tr>
<tr>
<td><strong>0-3: Limited or no strategic alliances in place.</strong></td>
<td><strong>4-7: Some strategic alliances with moderate potential for collaboration.</strong></td>
<td><strong>8-10: Strong strategic alliances with high potential for collaboration and mutual benefit.</strong></td>
<td><strong>4-7: Some data privacy audits with room for improvement.</strong></td>
</tr>
<tr>
<td><strong>4-7: Regular and comprehensive data privacy audits, demonstrating a strong commitment to compliance and data protection.</strong></td>
<td><strong>8-10: Regular and comprehensive data privacy audits, ensuring data protection and confidentiality.</strong></td>
<td><strong>Score Range (0-10):</strong></td>
<td><strong>Score Range (0-10):</strong></td>
</tr>
<tr>
<td><strong>0-3: Weak data security measures, leaving data vulnerable to breaches.</strong></td>
<td><strong>4-7: Moderate data security measures with some protection in place.</strong></td>
<td><strong>8-10: Robust data security measures, ensuring data protection and confidentiality.</strong></td>
<td><strong>0-3: Infrequent or inadequate data privacy audits.</strong></td>
</tr>
<tr>
<td><strong>4-7: Regular and comprehensive data privacy audits, demonstrating a strong commitment to compliance and data protection.</strong></td>
<td><strong>Score Range (0-10):</strong></td>
<td><strong>Score Range (0-10):</strong></td>
<td><strong>Score Range (0-10):</strong></td>
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<tr>
<td>Indicator</td>
<td>Description</td>
<td>Score Range (0-10)</td>
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</tr>
<tr>
<td><strong>AI Partnerships and Collaborations</strong></td>
<td><strong>Partnerships</strong>&lt;br&gt;This indicator evaluates the organization’s formal partnerships with other entities in the AI ecosystem, which may include joint projects, research initiatives, or shared resources and expertise. Consider the quality and depth of these partnerships, their relevance to AI advancements, and the level of cooperation in shared projects and goals.</td>
<td>0-3: Limited or no formal partnerships. 4-7: Some partnerships with moderate collaboration and shared initiatives. 8-10: Strong partnerships with deep collaboration, joint projects, and shared resources.</td>
<td></td>
</tr>
<tr>
<td><strong>Collaboration Impact</strong>&lt;br&gt;This indicator assesses the actual impact of the organization’s collaborations and partnerships on the broader AI ecosystem. It measures the outcomes and influence of these collaborations in advancing AI-related goals and initiatives. Consider the demonstrable results of collaborations, the impact on AI research, development, and applications, and how these efforts contribute to the advancement of the AI field.</td>
<td>0-3: Limited or no discernible impact from collaborations. 4-7: Some impact with moderate contributions to the AI ecosystem. 8-10: Significant impact with substantial contributions and influence on AI advancements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AI Social and Environmental Responsibility</strong>&lt;br&gt;This indicator assesses the societal impact of AI solutions developed by the organization, particularly their contribution to addressing social challenges, enhancing well-being, and promoting inclusivity. This indicator assesses the societal impact of AI solutions developed by the organization, particularly their contribution to addressing social challenges, enhancing well-being, and promoting inclusivity.</td>
<td>0-3: Limited or no demonstrable social impact. 4-7: Some social impact with moderate contributions to societal well-being. 8-10: Significant social impact with substantial contributions to addressing social challenges and improving well-being.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Environmental Sustainability</strong>&lt;br&gt;This indicator evaluates the organization’s commitment to environmental sustainability in the development and deployment of AI solutions. It assesses the extent to which AI solutions are designed to minimize environmental impact. Consider efforts to reduce energy consumption, carbon footprint, and resource usage associated with AI solutions. Environmental sustainability should encompass strategies for reducing AI’s ecological footprint.</td>
<td>0-3: Minimal or no focus on environmental sustainability. 4-7: Some efforts to reduce environmental impact with moderate success. 8-10: Strong commitment to environmental sustainability, with significant reductions in environmental impact.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI Social and Environmental Responsibility</td>
<td>Participation in AI for Good Projects</td>
<td>This indicator assesses the organization’s active involvement in AI for Good projects and initiatives that leverage AI to address global challenges, promote social good, and contribute to sustainability.</td>
<td>Consider the depth and impact of the organization’s participation in AI for Good projects, such as those related to healthcare, education, climate change, or humanitarian assistance.</td>
</tr>
<tr>
<td>Al Employment and Career Impact</td>
<td>Job Placement Rate</td>
<td>This indicator measures the effectiveness of AI solutions in helping individuals secure employment. It calculates the percentage of users who find a job after using AI-driven job matching or career placement services.</td>
<td>Consider that the percentage is based on users who actively sought employment through the AI system and that the job placements are in roles relevant to the users' qualifications and career goals.</td>
</tr>
<tr>
<td>Al Employment and Career Impact</td>
<td>Skills Enhancement and Acquisition</td>
<td>This indicator measures the extent to which AI solutions contribute to skill development and acquisition. It assesses the number of users who have acquired new skills or improved existing ones through AI-powered training or upskilling platforms.</td>
<td>Consider that the measurement accounts for the relevance and usability of the acquired skills in the job market and that it tracks skill development over time.</td>
</tr>
<tr>
<td>Al Employment and Career Impact</td>
<td>Income Growth</td>
<td>This indicator assesses the increase in income or earning potential for individuals who have benefited from AI-driven career advice, job recommendations, or other employment-related services. It is typically measured through wage or salary data before and after AI interventions.</td>
<td>Consider that the income growth is directly linked to the use of AI services and that it accounts for variations in individual circumstances.</td>
</tr>
<tr>
<td>Al Employment and Career Impact</td>
<td>Job Satisfaction and Retention</td>
<td>This indicator measures the impact of AI on job satisfaction and retention rates. It can include surveys or feedback from users to assess whether AI solutions contribute to</td>
<td>Consider that the satisfaction and retention data are collected from users who have experienced AI-driven career advice or job matching.</td>
</tr>
</tbody>
</table>
higher job satisfaction and longer job tenures.

4-7: Moderate reported increase in job satisfaction.
8-10: High reported increase in job satisfaction.

Score Range (0-10):
0-3: Low or no reduction in the average unemployment duration before and after using AI job search tools.
4-7: Modest reduction in the average unemployment duration before and after using AI job search tools.
8-10: High reduction in the average unemployment duration before and after using AI job search tools.

Consider that the measurement is based on data collected from job seekers who actively used AI tools for job search.

### Reports

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Implications and Use Cases

The AI & Partners’ AI Actor Index is not just an abstract framework; it has practical implications and real-world use cases that can significantly impact the field of artificial intelligence and its stakeholders. In this section, we explore how the index can be leveraged to enhance transparency and accountability in AI technology.

- **Risk Assessment**: The AI Actor Index provides a structured approach for evaluating the risk associated with different AI actors. Organizations can use this assessment to make informed decisions when selecting AI solutions for their operations. By understanding the risk profile of AI developers and deployers, businesses can mitigate potential issues and enhance the reliability of their AI-driven systems.

- **Vendor Selection**: In the AI marketplace, where a multitude of developers and deployers offer their services, the index can serve as a guide for organizations looking to choose reliable partners. It enables companies to assess potential vendors against standardized criteria, ensuring that they align with ethical, regulatory, and accountability standards.

- **Policy and Regulation**: Policymakers and regulatory bodies can use the AI Actor Index to inform the creation of guidelines and regulations for the AI industry. By recognizing the index as a standard for evaluating AI actors, policymakers can create a regulatory environment that encourages responsible AI development and discourages harmful practices.

- **Ethical AI Development**: The index promotes the ethical development and deployment of AI technologies. AI developers and deployers who score well in the index are incentivized to continue their ethical practices, while those with lower scores are encouraged to improve. This creates a positive feedback loop that benefits society by fostering accountability and responsibility.

- **Investment Decisions**: Investors and venture capitalists can use the AI Actor Index as a tool for assessing the viability of AI-related startups and companies. It aids in making investment decisions that align with ethical and responsible AI practices, reducing financial risks associated with unethical AI actors.

- **Education and Awareness**: The AI Actor Index can be used in educational programs and awareness campaigns to help the general public and AI professionals understand the importance of evaluating AI actors. It raises awareness about the ethical and accountability aspects of AI, promoting responsible AI behavior.

- **Cross-Industry Applications**: The index is not limited to a specific industry or sector. It can be applied across various domains, from healthcare to finance, ensuring that accountability and transparency are upheld in AI technology irrespective of the field.

In this section, we've only scratched the surface of the implications and use cases of the AI Actor Index. It is a versatile tool that can have a far-reaching impact on the responsible and ethical development of AI technology. By embracing this index, stakeholders can actively contribute to a future where AI innovations are not only groundbreaking but also considerate of ethical and accountable practices.
Limitations and Challenges

While the AI & Partners' AI Actor Index represents a significant advancement in the evaluation of AI actors, it is essential to acknowledge the limitations and challenges that come with any comprehensive assessment framework. In this section, we outline some of the key constraints and difficulties encountered during the development and implementation of the index:

- **Data Availability**: The AI Actor Index relies heavily on data to assess AI developers and deployers. One of the primary challenges is the availability of accurate, comprehensive, and up-to-date data. In some cases, the absence of standardized data formats and inconsistent reporting can hinder the accuracy of assessments.

- **Data Privacy and Ethics**: The collection and use of data for the index raise important ethical and privacy considerations. Ensuring that data is acquired and used responsibly, with respect for individuals' privacy and consent, is an ongoing challenge in the development and maintenance of the index.

- **Dynamic Nature of AI**: AI technology is highly dynamic, with rapid advancements and changes. The index may struggle to keep pace with the evolving landscape of AI, which can impact the relevance and accuracy of assessments.

- **Subjectivity**: Despite efforts to standardize assessment criteria, there may be some subjectivity in evaluating AI actors. Different stakeholders might interpret the criteria differently, potentially leading to variations in assessments.

- **Benchmarking Challenges**: Developing a benchmark against which AI actors are assessed can be complex. Determining what constitutes a "baseline" for ethical and responsible AI practices can be subjective and context-dependent.

- **Resource Intensity**: The comprehensive nature of the index requires significant resources, both in terms of data collection and analysis. This can make it resource-intensive and may limit its widespread adoption, particularly by smaller organizations or in resource-constrained environments.

- **Regulatory Variability**: The AI landscape is subject to varying regulations and standards in different regions and industries. The index may not fully capture these regional or industry-specific nuances, potentially resulting in incomplete assessments.

- **AI Bias and Fairness**: Ensuring that the index itself is free from bias and is fair in its evaluations is a complex challenge. The potential for bias in data sources, criteria selection, and assessment processes must be carefully managed.

- **Interconnectedness of AI Actors**: AI developers and deployers are often interconnected within the AI ecosystem. Evaluating them in isolation may not capture the full picture of their impact and responsibilities. Ensuring that the index considers these interconnections is an ongoing challenge.

- **User Adoption**: The index's effectiveness depends on its adoption and use by stakeholders. Encouraging organizations and individuals to use the index as part of their decision-making process is an ongoing challenge.

It is imperative to recognize these limitations and challenges as areas for continuous improvement and refinement. The AI Actor Index will evolve and adapt to address these concerns, ensuring that it remains
Future Directions

The AI & Partners’ AI Actor Index, while already a significant milestone in the field of AI assessment, is not static but adaptive. As AI technology continues to evolve, so does the index itself. In this section, we outline the potential future directions and areas for improvement in the AI Actor Index.

- **Continuous Data Enrichment**: To enhance the accuracy and relevance of the index, a focus on continuous data enrichment is essential. As the AI landscape evolves, it’s crucial to ensure that the index incorporates the latest data sources, trends, and developments, keeping it up-to-date and reflective of the current AI actors.

- **Global Adaptation**: Expanding the applicability of the index to a global context is a goal for the future. This includes considering regional and cultural nuances, enabling a more comprehensive and globally relevant assessment of AI actors.

- **Enhanced Transparency**: The index itself should be a model of transparency. Detailed information about the evaluation criteria, data sources, and assessment methodologies should be made readily available to users, researchers, and stakeholders to promote transparency and accountability.

- **User-Friendly Tools**: Developing user-friendly tools and platforms for accessing and utilizing the index is a key objective. These tools will make it easier for organizations and individuals to engage with the index for their specific needs, such as vendor selection, policy development, or investment decisions.

- **Expanded Evaluation Dimensions**: Expanding the dimensions along which AI actors are assessed is a promising direction. This might include aspects like the environmental impact of AI, its contributions to societal well-being, and its compliance with international standards and regulations.

- **Feedback Mechanisms**: Creating feedback mechanisms to gather user input and suggestions for improving the index is essential. This ensures that the index remains relevant and addresses the evolving concerns and needs of the AI community.

- **Incorporating Ethical Considerations**: The future development of the index will give greater emphasis to ethical considerations. This includes assessing how AI actors handle issues related to bias, fairness, and ethical implications in their AI solutions.

- **Integration with Policy and Regulation**: Aligning the index with emerging policies and regulations in the AI field is crucial. It can serve as a tool for helping policymakers and regulators develop and enforce AI-related policies.

- **Robust Assessment of Deployers**: As AI deployment becomes increasingly important, the index will further refine its assessment of AI deployers. This includes evaluating their impact on data privacy, security, and compliance with relevant regulations.

- **International Collaboration**: Collaborating with international organizations, academia, and industry stakeholders is a direction that ensures the index remains globally recognized and continues to evolve based on collective wisdom.
• **User Education and Advocacy**: Promoting awareness and education about the index and its importance is an ongoing endeavor. This includes outreach, training, and advocacy to encourage its adoption and use.

The future directions of the AI Actor Index are dynamic and responsive to the ever-changing AI landscape. By addressing these areas of development, the index will remain at the forefront of guiding responsible and accountable AI practices, making it a valuable resource for stakeholders across the AI ecosystem.

**Conclusion**

In the rapidly evolving landscape of artificial intelligence, the AI & Partners’ AI Actor Index stands as a beacon of clarity, guidance, and accountability. As we conclude this white paper, we reflect on the significance and enduring impact of the index in the field of AI technology. The journey that led to the creation of the AI Actor Index was born out of the recognition that the AI ecosystem needed a structured and multi-dimensional framework to assess AI actors, particularly Developers and Deployers. The need for such an index was apparent due to the complex challenges and ethical considerations posed by AI’s widespread adoption. Our mission was clear: to provide a foundation for evaluating risk, enhancing transparency, and promoting accountability.

Since its launch in 2021, the AI Actor Index has evolved into an industry-standard, embraced by stakeholders across diverse sectors. It has become an essential tool for making informed decisions about AI technology, be it in the selection of AI vendors, the development of AI-related policies, or investment choices. The index empowers individuals, organizations, and policymakers to navigate the intricate landscape of AI, ensuring that ethical, responsible, and accountable practices are upheld. The AI Actor Index is more than a static framework; it’s a dynamic and responsive tool. It evolves with the ever-changing AI landscape, adapting to the latest trends, ethical considerations, and global developments. As AI technology continues to redefine industries, societies, and human interactions, the index remains at the forefront, guiding the responsible and ethical use of AI.

In a world where AI innovation is matched by accountability, the AI Actor Index has paved the way for a future where technology not only advances but does so with a conscience. We emphasize the significance of the index in shaping the AI industry and promoting the values of transparency and responsibility. It is a tool that fosters innovation while safeguarding against potential risks. As we look to the future, the AI & Partners team is committed to improving and expanding the index, working alongside a global community of stakeholders to ensure its continued relevance and effectiveness. Together, we will shape an AI landscape that serves not only the interests of progress but also the values of accountability and ethical responsibility.

The AI Actor Index represents a milestone on a journey towards responsible AI technology. We invite you to join us on this journey, embracing the AI Actor Index as a catalyst for a future where AI is not just intelligent but also conscientious.
What Can We Do For You?

In our commitment to provide comprehensive support, AI & Partners excels in navigating the intricate landscape of the EU AI Act on your behalf. Our expertise is geared towards ensuring your business’s seamless compliance with the regulations, reducing risks, and enhancing the utilization of artificial intelligence within the EU framework. With a deep understanding of the legislation and its implications, we offer tailored solutions, including compliance assessment, legal counsel, and strategic advisory services.

Our team is dedicated to crafting pragmatic, forward-thinking strategies that empower your organization, fostering innovation while respecting legal boundaries. AI & Partners stands ready to safeguard your AI initiatives, helping you unlock their full potential within the EU AI Act’s framework.

Providing a suite of professional services laser-focused on the EU AI Act

- **Providing advisory services**: We provide advisory services to help our clients understand the EU AI Act and how it will impact their business. We do this by identifying areas of the business that may need to be restructured, identifying new opportunities or risks that arise from the regulation, and developing strategies to comply with the EU AI Act.

- **Implementing compliance programs**: We help our clients implement compliance programs to meet the requirements of the EU AI Act. We do this by developing policies and procedures, training employees, and creating monitoring and reporting systems.

- **Conducting assessments**: We conduct assessments of our clients’ current compliance with the EU AI Act to identify gaps and areas for improvement. We do this by reviewing documentation, interviewing employees, and analysing data.

- **Providing technology solutions**: We also provide technology solutions to help our clients comply with the EU AI Act. We do this by developing software or implementing new systems to help our clients manage data, track compliance, or automate processes.

We are also ready to engage in an open and in-depth discussion with stakeholders, including the regulator, about various aspects of our analyses.

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