

Library Resources List
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AI



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Introduction

OECD iLibrary is the online library of the Organisation for Economic Co-operation and Development (OECD). It contains all books and papers published by the OECD since 1998 and a vast collection of statistical data dated back to the 1960's. The database covers a wide range of subjects, including agriculture and food, economics, education, environment, science and technology, social issues, taxation, etc.

Artificial intelligence (AI) is one of the most fascinating subjects in recent years. The study on the use of computer programmes to simulate human intelligence has certainly brought changes to many aspects of daily life such as economy, education, public health and transportation. While AI opens up new opportunities, it also brings new challenges that require suitable policy measures to ensure smooth economic and social transformation. OECD iLibrary contains a wealth of information and cross-country analyses in formats including books, papers and statistics. This resources list highlights some of the AI-related resources to those who wish to learn more about this subject.

OECD iLibrary is available at:
Hong Kong Central Library



引言

OECD iLibrary 是經濟合作及發展組織（經合組織）的線上圖書館，提供經合組織自 1998 年起出版的所有書籍及論文，以及大量可追溯至二十世紀六十年代的統計數據。數據庫主題廣泛，涵蓋農業與食品、經濟、教育、環境、科學技術、社會問題、稅務等。

人工智能是近年最有趣的學科之一。利用電腦程式模擬人類智慧的研究確實在經濟、教育、公眾衛生及運輸等方面，為日常生活帶來改變。人工智能帶來新機遇，同時亦帶來新挑戰，需要合適的政策措施以確保經濟及社會能順利轉型。**OECD iLibrary** 以書籍、論文及統計資料等模式，提供各種豐富的資料及跨國分析。本資源選介精選了一些與人工智能有關的資源，供有意更深入了解這學科的人士參考。


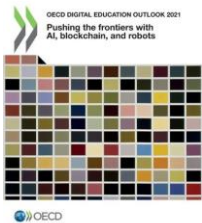
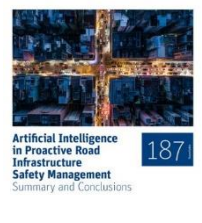

OECD iLibrary 使用地點：
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A Selective List of Library Resources on
“Artificial Intelligence”
at OECD iLibrary


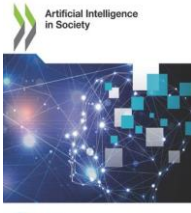


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I. Books

 <p>How Learning Continued during the COVID-19 Pandemic GLOBAL LESSONS FROM INITIATIVES TO SUPPORT LEARNERS AND TEACHERS</p> <p>OECD THE WORLD BANK</p>	<p>Al-Qataee, Abdullah, et al. "Saudi Arabia: Moving High-Stakes Examinations On Line with Artificial Intelligence Technology." In <i>How Learning Continued during the COVID-19 Pandemic: Global Lessons from Initiatives to Support Learners and Teachers</i>, 289-295. Paris : OECD Publishing, 2022.</p>
 <p>OECD DIGITAL EDUCATION OUTLOOK 2021 Pushing the frontiers with AI, blockchain, and robots</p> <p>OECD</p>	<p>Baker, Ryan S. "Artificial Intelligence in Education: Bringing It All Together." In <i>OECD Digital Education Outlook 2021: Pushing the Frontiers with Artificial Intelligence, Blockchain and Robots</i>, 43-54. Paris : OECD Publishing, 2021.</p>
 <p>International Transport Forum</p> <p>Artificial Intelligence in Proactive Road Infrastructure Safety Management Summary and Conclusions</p> <p>187</p>	<p>International Transport Forum. "Artificial Intelligence in Proactive Road Infrastructure Safety Management: Summary and Conclusions." <i>ITF Roundtable Reports, No. 187</i>. Paris : OECD Publishing, 2021.</p>
 <p>International Transport Forum</p> <p>Big Data for Travel Demand Modelling Summary and Conclusions</p> <p>186</p>	<p>International Transport Forum. "Big Data for Travel Demand Modelling: Summary and Conclusions." <i>ITF Roundtable Reports, No. 186</i>. Paris : OECD Publishing, 2021.</p>

 <p>Development Co-operation Report 2021 SHAPING A JUST DIGITAL TRANSFORMATION</p> <p>OECD</p>	<p>Kotin, Timothy and Superfluid Labs. <u>"In My View: Artificial Intelligence and Data Analytics Can Unlock New Economic Opportunities."</u> In <i>Development Co-operation Report 2021: Shaping a Just Digital Transformation</i>, 220-221. Paris : OECD Publishing, 2021.</p>
 <p>OECD DIGITAL EDUCATION OUTLOOK 2021 Pushing the frontiers with AI, blockchain, and robots</p> <p>OECD</p>	<p>Molenaar, Inge and Radboud University. <u>"Personalisation of Learning: Towards Hybrid Human-AI Learning Technologies."</u> In <i>OECD Digital Education Outlook 2021: Pushing the Frontiers with Artificial Intelligence, Blockchain and Robots</i>, 57-77. Paris : OECD Publishing, 2021.</p>
 <p>Educational Research and Innovation AI and the Future of Skills, Volume 1 CAPABILITIES AND ASSESSMENTS</p> <p>OECD</p>	<p>OECD. <u>AI and the Future of Skills, Volume 1: Capabilities and Assessments.</u> Paris : OECD Publishing, 2021.</p>
 <p>OECD Public Governance Reviews The Strategic and Responsible Use of Artificial Intelligence in the Public Sector of Latin America and the Caribbean</p> <p>OECD CAF</p>	<p>OECD and CAF development bank of Latin America. <u>The Strategic and Responsible Use of Artificial Intelligence in the Public Sector of Latin America and the Caribbean.</u> Paris : OECD Publishing, 2022.</p>

 <p>OECD Science, Technology and Innovation Outlook 2018 ADAPTING TO TECHNOLOGICAL AND SOCIETAL DISRUPTION</p> <p>OECD</p>	<p>OECD. <u>“Artificial Intelligence and Machine Learning in Science.”</u> In <i>OECD Science, Technology and Innovation Outlook 2018: Adapting to Technological and Societal Disruption</i>, 121-136. Paris : OECD Publishing, 2018.</p>
 <p>OECD Science, Technology and Innovation Outlook 2018 ADAPTING TO TECHNOLOGICAL AND SOCIETAL DISRUPTION</p> <p>OECD</p>	<p>OECD. <u>“Artificial Intelligence and the Technologies of the Next Production Revolution.”</u> In <i>OECD Science, Technology and Innovation Outlook 2018: Adapting to Technological and Societal Disruption</i>, 51-73. Paris : OECD Publishing, 2018.</p>
 <p>OECD Digital Economy Outlook 2020</p> <p>OECD</p>	<p>OECD. <u>“Artificial Intelligence, Blockchain and Quantum Computing.”</u> In <i>OECD Digital Economy Outlook 2020</i>, 271-309. Paris : OECD Publishing, 2020.</p>
 <p>OECD Studies on SMEs and Entrepreneurship The Digital Transformation of SMEs</p> <p>OECD</p>	<p>OECD. <u>“Artificial Intelligence: Changing Landscape for SMEs.”</u> In <i>The Digital Transformation of SMEs</i>, 191-227. Paris : OECD Publishing, 2021.</p>

	<p>OECD. <u>“Artificial Intelligence, Digital Technology and Advanced Production.”</u> In <i>The Digitalisation of Science, Technology and Innovation: Key Developments and Policies</i>, 119-142. Paris : OECD Publishing, 2020.</p>
	<p>OECD. <u>Artificial Intelligence in Society</u>. Paris : OECD Publishing, 2019.</p>
	<p>OECD. <u>“Big Data: A New Dawn for Public Health?”</u> In <i>Health in the 21st Century: Putting Data to Work for Stronger Health Systems</i>, 146-167. Paris : OECD Publishing, 2019.</p>
	<p>OECD. <u>“National Policies for Artificial Intelligence: What About Diffusion?”</u> In <i>The Digital Transformation of SMEs</i>, 229-272. Paris : OECD Publishing, 2021.</p>

	<p>OECD. <i>“OECD Business and Finance Outlook 2021: AI in Business and Finance.”</i> Paris : OECD Publishing, 2021.</p>
	<p>OECD. <i>Skills for the Digital Transition: Assessing Recent Trends Using Big Data.</i> Paris : OECD Publishing, 2022.</p>
	<p>UNESCO, OECD and IDB. <i>The Effects of AI on the Working Lives of Women.</i> Paris : UNESCO , 2022.</p>

II. Papers

Baruffaldi, Stefano, et al. [Identifying and Measuring Developments in Artificial Intelligence: Making the Impossible Possible](#). *OECD Science, Technology and Industry Working Papers*, no. 2020/05 (May 01, 2020).

Berryhill, Jamie, et al. [Hello, World: Artificial Intelligence and Its Use in the Public Sector](#). *OECD Working Papers on Public Governance*, no. 36 (Nov 21, 2019).

Ferencz, Janos, Javier López González and Irene Oliván García. [Artificial Intelligence and International Trade: Some Preliminary Implications](#). *OECD Trade Policy Papers*, no. 260 (Apr 22, 2022).

Galindo, Laura, Karine Perset and Francesca Sheeka. [An Overview of National AI Strategies and Policies](#). *OECD Going Digital Toolkit Notes*, no. 14 (Aug 03, 2021).

Georgieff, Alexandre and Raphaela Hyee. [Artificial Intelligence and Employment: New Cross-Country Evidence](#). *OECD Social, Employment and Migration Working Papers*, no. 265 (Dec 15, 2021).

Krämer, Clara and Sandrine Cazes. [Shaping the Transition: Artificial Intelligence and Social Dialogue](#). *OECD Social, Employment and Migration Working Papers*, no. 279 (Oct 03, 2022).

Lane, Marguerita and Anne Saint-Martin. [The Impact of Artificial Intelligence on the Labour Market: What Do We Know So Far?](#) *OECD Social, Employment and Migration Working Papers*, no. 256 (Jan 25, 2021).

Nakazato, Shohei and Mariagrazia Squicciarini. [Artificial Intelligence Companies, Goods and Services: a Trademark-Based Analysis](#). *OECD Science, Technology and Industry Working Papers*, no. 2021/06 (May 04, 2021).

Nolan, Alistair. [Artificial Intelligence, Its Diffusion and Uses in Manufacturing](#). *OECD Going Digital Toolkit Notes*, no. 12 (Jul 02, 2021).

OECD. [Scoping the OECD AI Principles: Deliberations of the Expert Group on Artificial Intelligence at the OECD \(AIGO\)](#). *OECD Digital Economy Papers*, no. 291 (Nov 15, 2019).

OECD. [State of Implementation of the OECD AI Principles: Insights from National AI Policies](#). *OECD Digital Economy Papers*, no. 311 (Jun 18, 2021).

OECD. [Using Artificial Intelligence to Help Combat COVID-19](#). *OECD Policy Responses to Coronavirus (COVID-19)*, (Apr 23, 2020).

OECD. [What are the OECD Principles on AI?](#) *OECD Observer* (Jun 02, 2019).

Oliveira Hashiguchi, Tiago Cravo, Luke Slawomirski and Jillian Oderkirk. [Laying the Foundations for Artificial Intelligence in Health](#). *OECD Health Working Papers*, no. 128 (Jun 11, 2021).

Paunov, Caroline, Sandra Planes-Satorra and Greta Ravelli. [Review of National Policy Initiatives in Support of Digital and AI-driven Innovation](#). *OECD Science, Technology and Industry Policy Papers*, no. 79 (Oct 17, 2019).

Salvi del Pero, Angelica, Peter Wyckoff and Ann Vourc'h. [Using Artificial Intelligence in the Workplace: What Are the Main Ethical Risks?](#) *OECD Social, Employment and Migration Working Papers*, no. 273 (Jul 08, 2022).

Tricot, Roland. [Venture Capital Investments in Artificial Intelligence: Analysing Trends in VC in AI Companies from 2012 through 2020](#). *OECD Digital Economy Papers*, no. 319 (Sep 30, 2021).

Verhagen, Annelore. [Opportunities and Drawbacks of Using Artificial Intelligence for Training](#). *OECD Social, Employment and Migration Working Papers*, no. 266 (Dec 13, 2021).

Vincent-Lancrin, Stéphan and Reyer van der Vlies. [Trustworthy Artificial Intelligence \(AI\) in Education: Promises and Challenges](#). *OECD Education Working Papers*, no. 218 (Apr 08, 2020).

III. Statistics

OECD iLibrary provides statistical information that includes databases and indicators of various topics. The interactive databases and indicators enable users to customise the selection and layout of data and support export of data in different file formats (e.g. Excel, CSV, PC-Axis, etc.).

OECD iLibrary 提供的統計資料涵蓋不同主題的數據庫和指標，讓使用者通過互動的數據庫和指標自行選定數據和數據的展示方式，並支援以不同檔案模式（例如 Excel、CSV、PC-Axis 等）匯出數據。

A) Databases

OECD Patent Statistics

https://www.oecd-ilibrary.org/science-and-technology/data/oecd-patent-statistics_patent-data-en

The database contains patent data and indicators suitable for statistical analyses. It also helps address policy issues on science and technology (S&T).

OECD Science, Technology and Research & Development Statistics

https://www.oecd-ilibrary.org/science-and-technology/data/oecd-science-technology-and-r-d-statistics_strd-data-en

The database consists of "Basic Science and Technology Statistics" and "Main Science and Technology Indicators". They both cover resources on research and development (R&D) and indicators of the results of S&T activities.

OECD Telecommunications and Internet Statistics

https://www.oecd-ilibrary.org/science-and-technology/data/oecd-telecommunications-and-internet-statistics_tel_int-data-en

This database provides data on a number of telecommunications variables. It contains data on information and communication (ICT) usage and access, such as broadband diffusion to households, individuals and businesses across OECD countries.

Regional Innovation

https://www.oecd-ilibrary.org/urban-rural-and-regional-development/data/oecd-regional-statistics/regional-innovation_1c89e05a-en

This database provides data on patent and co-patent by technology; R&D expenses and R&D employees; labour force and student enrolment by *International Standard Classification of Education* (ISCED) level across different regions.

B) Indicators

Broadband Access

<https://doi.org/10.1787/e1808ca9-en>

ICT Employment

<https://doi.org/10.1787/0938c4a0-en>

ICT Investment

<https://doi.org/10.1787/b23ec1da-en>

Research and Development (R&D)

<https://doi.org/10.1787/09614029-en>

IV. Other OECD Resources

OECD.AI Policy Observatory

<https://oecd.ai/en/>



This portal combines AI-related publications accessible at OECD iLibrary and other related resources from across the OECD and its stakeholders. It outlines and provides links to hundreds of AI policy initiatives from around the globe. It also provides a wealth of data and analyses in the form of interactive charts and diagrams. Last but not least, it hosts an AI Wonk blog where global experts of AI and other contributors can share their insights and findings which in turn facilitates future collaboration.

此入門網站結合了可從 OECD iLibrary 獲取的人工智能相關刊物，以及從經合組織及其持份者取得的其他有關資源。網站概述並提供了數百條來自世界各地，與人工智能政策措施有關的連結。此網站並以互動圖表方式提供大量豐富數據及分析。最後，網站還設有人工智能專家網誌，讓全球的人工智能專家及其他參與者可分享見解及研究結果，從而促進未來協作。



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User Guide
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