

Mapping the AI literature

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Rationale

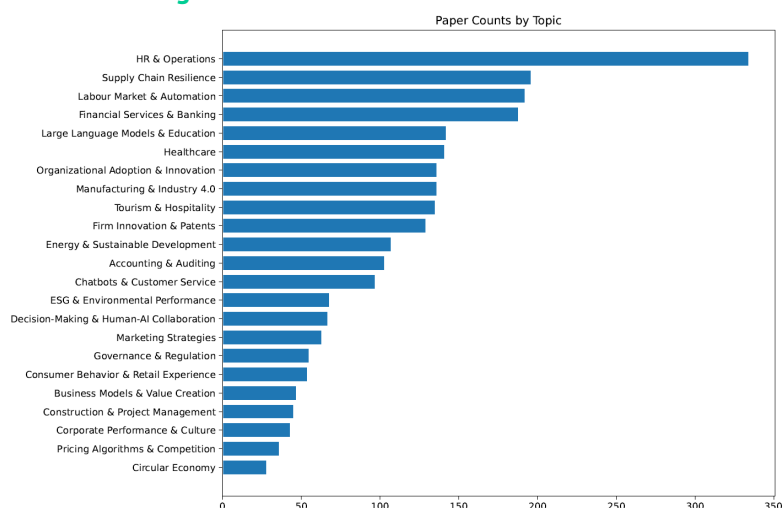
The economics of Artificial Intelligence (AI) literature has expanded rapidly in recent years, yet we lack a systematic understanding of its key themes and research gaps. This study uses topic modeling to identify these themes and to understand which research questions have been explored and which remain under-explored.

Method

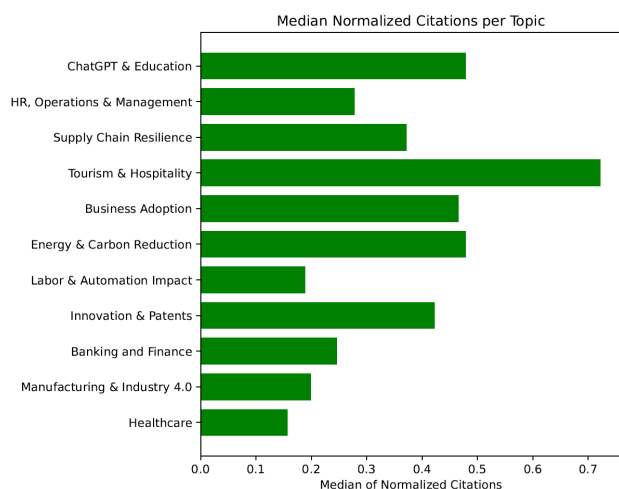
This study conducts a systematic literature review on the economic impacts of AI. The methodology includes data extraction from Scopus, Web of Science, NBER, and SSRN, topic modeling using BERTopic, and automated screening via GPT-4o-mini. The review identifies key research themes and gaps, analyzing economic implications across multiple sectors.

Stylised facts

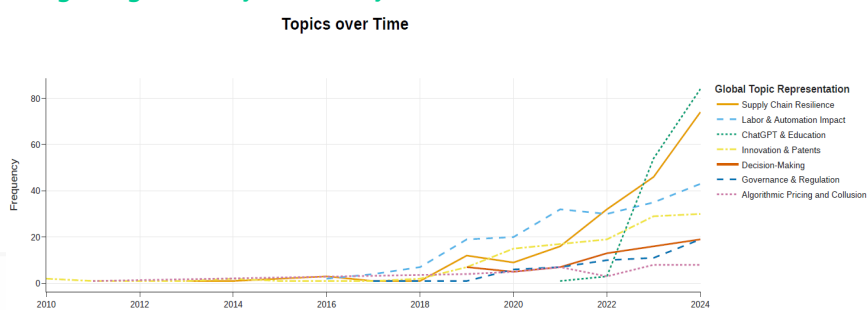
Face 1: Among published research, AI applications in human resources constitute the largest share of studies



Fact 2: Studies on AI applications in the services sector receive the highest citation counts

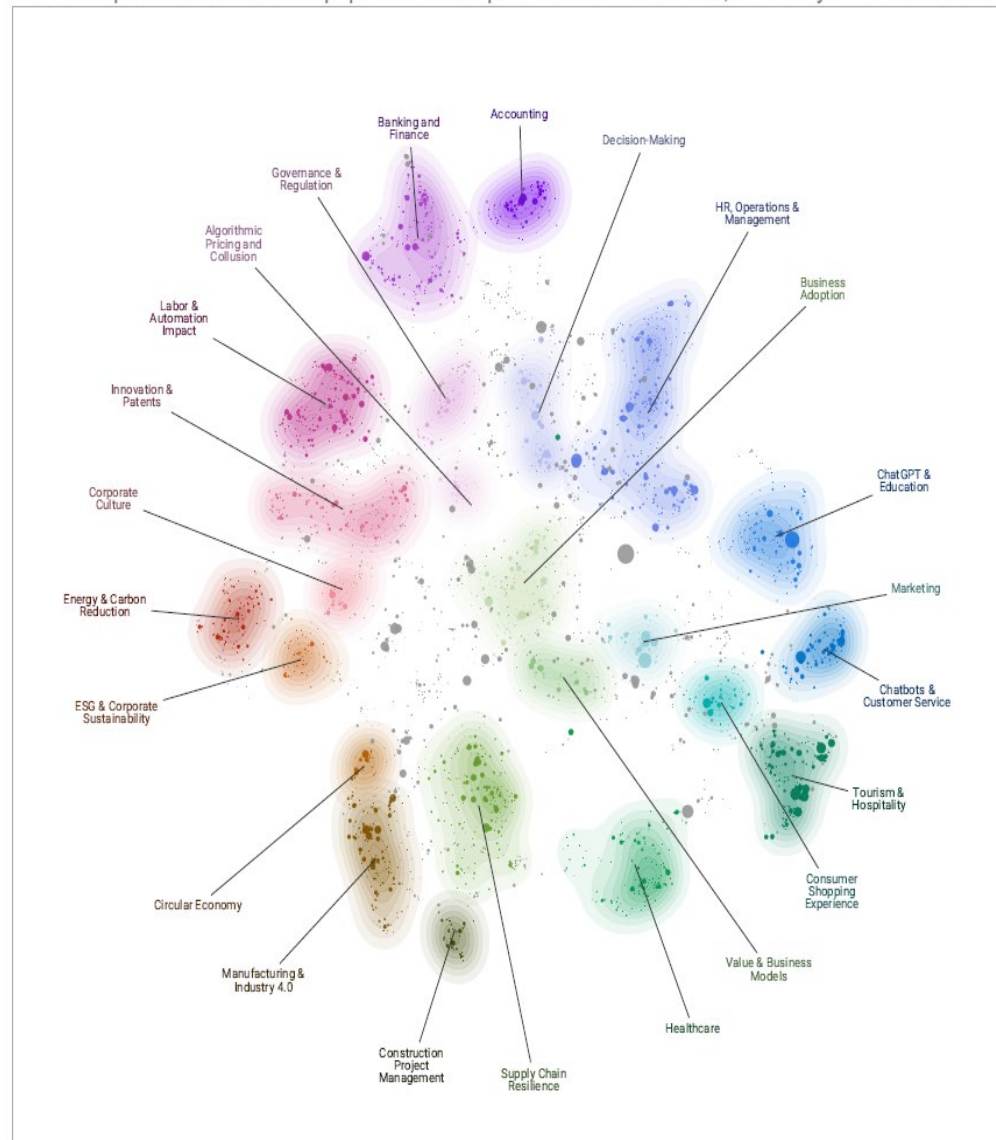


Fact 3: Publication of research on large language models (LLMs) surged significantly in recent years



The Economics of AI Landscape

A data map of Economics of AI papers from Scopus and Web of Science, scaled by citations received



Gaps in the literature

This study analyses AI policy documents from multiple jurisdictions to identify common economic themes and research gaps. Key issues include AI-driven productivity, risk-based regulations, SME adoption, global governance, and data privacy. Unexplored questions address sector prioritization, regulatory effects on competition, AI adoption spillovers, and the impact of fragmented governance frameworks.