Artificial Intelligence and Device Mastering in Finance: Identifying Foundations, Themes, and Research Clusters from Bibliometric Analysis

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Abstract: *Artificial intelligence (AI) and device getting to know (ML) are two related technology which are emergent in economic scholarship. However, no overview, to this point, has supplied a holistic retrospection of this studies. To cope with this hole, we offer a top level view of AI and ML studies in finance. The use of both co-quotation and bibliometric-coupling analyses, we infer the thematic structure of AI and ML studies in finance for 1986–April 2021. By using uncovering 9 (co-citation) and eight (bibliometric coupling) particular clusters of finance that follow AI and ML, we similarly identify 3 overarching groups of finance scholarship which might be kind of equivalent for both types of analysis: (1) portfolio production, valuation, and investor conduct; (2) financial fraud and misery; and (3) sentiment inference, forecasting, and planning. Moreover, using co-occurrence and confluence analyses, we highlight trends and research instructions concerning AI and ML in finance research. Our effects offer evaluation of AI and ML in finance research.*

Keywords: Artificial intelligence