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Discovering the Most Needed Technologies and Skills for IT Jobs on LinkedIn

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Abstract

With the rapid pace of technological growth, many information technology (IT) jobs are created every year, but, as IT is a vast field with enormous sub-disciplines, not enough people are trained to match the demand. Educational conferences, research papers and question-and-answer platforms have been studied in the past to map the leading technologies. IT technologies are ever changing and the most recent research is required to identify the trending technologies. This research answers the question of the most sought-after technologies and skills in the current IT job market by analysing job postings on LinkedIn with latent Dirichlet allocation (LDA).

Keywords: Web scraping, latent Dirichlet allocation, topic modelling, automation

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