



A method for constructing a discipline classifier and a discipline classification method

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Hong Kong	HK30109030	A method for constructing a discipline classifier and a discipline classification method (一種學科分類器的構建方法和學科分類方法)	22 Nov 2024	Granted

Stage of Technology Transfer: Commercially Viable Technology/ Product Ready for Sale

Research Area: Machine Learning, Deep Learning, and Large Language Models

Abstract

The present application discloses a method for constructing a discipline classifier and a discipline classification method, wherein the method for constructing a discipline classifier includes: obtaining a number of job description samples, said job description samples include job description text and original discipline labels; mapping the original discipline labels of each of the job description samples to new discipline labels based on a preset hierarchical discipline mapping rule; using a large language model to convert the job description text of each of the job description samples into a text embedding representation; performing neural network training based on the new discipline labels and text embedding representations corresponding to each of the job description samples to obtain the discipline classifier. Adopting the discipline classifier of the present application can better understand academic job description information, efficiently and accurately classify academic job descriptions, and be able to adapt to changes in academic fields, thereby improving the accuracy and efficiency of the talent recommendation system.