Employment relations: A data driven analysis of job markets using online job boards and online professional networks

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ABSTRACT:

Data from online job boards and online professional networks present an opportunity to understand job markets as well as how professionals transition from one job/career to another. We propose a data driven approach to begin to understand a slice of the South African job market. We do this by analysing data from career websites as well as a South African online professional networks. Our goals are to be able to group jobs given their descriptions, characterise career paths as well as to have some building blocks to be able to extract job position hierarchies given a description.