# Multi-source data: new approaches for non-standard employment statistics. The Dutch and Italian experience

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## Abstract

*This paper explores the significant impact of measurement errors on employment contract data and mobility trends over time, particularly in cross-country comparisons. We compare Italian and Dutch employment data from 2016 to 2021, integrating information from the Labour Force Survey and the Employment Register. Using a multiple-group Hidden Markov Models, we estimate error-corrected employment trajectories to analyse the impact of measurement errors within each country and facilitate meaningful cross-country comparisons.*

**Keywords:** Measurements errors, Hidden Markov Model, Employment career

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