

The Monte Carlo Sampling Technique on Horizontal and Vertical Equity Measures

This presentation will apply the Monte Carlo Sampling Technique to show how resampling affects the results of the ratio studies when all other variables are held constant. In automated valuation modelling for real estate purposes, it is standard practice to define a hold-out or test sample to prevent model overfitting. This presentation will shed more light on its implications.



Luc Hermans
Data Scientist
Netherlands Council for Real Estate Assessment

Luc Hermans is Data Scientist at the Netherlands Council for Real Estate Assessment. Senior Research Fellow at the Center for Appraisal Research and Technology and PhD researcher at Ulster University. Luc was awarded the 2023 Richard Almy Research Grant and is a 2023-2024 C. Lowell Harriss Dissertation Fellow at the Lincoln Institute of Land Policy. Currently, Luc is part of the IAAO Research and Standards committee and chair of the IAAO Task Force on Artificial Intelligence.