

Seminar 18.12.2019

Title: Advances in Real Estate Valuations – Machine Learning and Big Data

Location: School of Business and Economics – Maastricht University (A 1.23)

Description:

Real estate is extremely heterogeneous compared to other financial assets. As properties differ much in characteristics, they require individual valuations. Additionally, the majority of real estate transactions are private, providing little information to the public. As a result, property valuations are prone to error. This seminar focuses on new valuation and data mining techniques, using machine learning and big data. The authors tackle the major problems of real estate market understanding by innovative methodology. Advanced methods allow to understand new aspects in the valuation process, improving the understanding of property markets.

Presentation time: 30 mins + 10 mins Q&A

Schedule:

12:00 – 13:00	Lunch with Seminar speakers (Tapijn Brasserie) Tapijnkazerne 20, 6211 ME Maastricht
13:15 – 13:20	Welcome
13:20 – 14:00	<i>Redevelopment Option Premia in Commercial Real Estate</i> (Alex van de Minne)
14:00 – 14:40	<i>The Odd One Out: Asset Uniqueness and Price Precision</i> (Thies Lindenthal)
14:40 – 15:20	<i>Dealing with Unobserved Heterogeneity in Hedonic Price Models</i> (Marc Francke)
15:20 – 15:50	Break with Vlaai and coffee
15:50 – 16:30	<i>The value of daylight in office spaces</i> (Andrea Chegut)
16:30 – 17:10	<i>Real estate price indices using machine learning regression models</i> (Felipe Dutra Calainho)
17:10 – 17:50	<i>Deep Learning in Real Estate: Object Detection in the Built Environment</i> (Mike Langen)
18:20 – 20:15	Dinner (Marres Kitchen) Capucijnenstraat 98, 6211 RT Maastricht