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My main research interests are Environmental Economics and Real Estate.

Education

Ph.D. Economics, Tilburg University, Expected Graduation date: Summer 2020

MSC. Economics, Tilburg University, 2016

BSc. Economics, Universidad EAFIT, 2011.

Research

Job Market Paper

Capitalization of Energy Efficiency in the Rental Housing Market

Using a large dataset on the Dutch rental market, I measure the extent to which energy efficiency benefits are priced in the rental housing market. Contrary to the owner-occupied market, the rental market offers the opportunity to directly assess the direct capitalization of energy cost savings into monthly rents. I exploit data on close to 430,000 addresses in both the regulated and unregulated rental market in the Netherlands. A housing market in which utility bills are high and heterogeneous across energy label classes. The full sample estimates show capitalization rates of 80 percent and less, indicating under capitalization. I show, that rent stimulus can help elevate capitalization rates to levels close to unity, which can stimulate the agility of reluctant landlords to contribute to enhance the energy efficiency of their housing portfolio.

Working Papers

Energy efficiency as a predictor of residential mortgage risk [With: Brounen, D. and Kok, N.]

Journal Articles

Energy Performance Certification and Time on the Market [With: Aydin, E. and Brounen, D.] **Forthcoming:** *Journal of Environmental Economics and Management*

pre-PhD

Crime in Colombia: More law enforcement or more justice?. *Crime, Law and Social Change* 68.1-2 (2017): 233–249. [With: Gómez, C., Velásquez, H., Rendón, A. J.]

Expansión de la educación superior y sus efectos en matriculación y migración: evidencia de Colombia *Revista Desarrollo y Sociedad* 75 (2015): 317–348. [With: Ospina, M., Canavire-Bacarreza, G. and Cuartas, D.]

Formación del precio de las transacciones internacionales de electricidad entre Colombia y Ecuador. *Revista de economía del Rosario* 17.1 (2014): 63–87. [With: García, J. J. and Gómez, C.]

Teaching

Tilburg University

Methods: Econometrics 1 (TA) 2017-Present; Master in Economics

Methods: Econometrics 2 (TA) 2017-Present; Master in Economics

Programming For Economists (TA) 2017-Present; Bachelor in Economics and Business

Universidad EAFIT

Microeconomics 3 (Lecturer) 2014; Bachelor in Economics

Microeconomics 1 (Lecturer) 2012-2013; Bachelor in Economics and Business

Microeconomics 3, (TA) 2010-2011; Bachelor in Economics

Game Theory, (TA) 2010; Bachelor in Economics

Relevant experience

Research Assistant "Evaluation of the reform on simplification of construction permits for the city of Medellín" ("Evaluación de la Reforma de Simplificación de Permisos de Construcción para la ciudad de Medellín") Universidad EAFIT- IFC, August 2012- February 2014.

Research Assistant "New criminal activities in Medellín" ("Nuevas modalidades de economía criminal en Medellín") Partnership EAFIT-Empresa de Seguridad Urbana (ESU), August 2012- July 2013.

Research Assistant "Methodologies for detection and prevention of the potencial exercise of dominant position in the colombian electric pool" ("Metodologías para la detección y la prevención de potencial ejercicio de posición dominante en el pool eléctrico en Colombia"), Partnership Universidad EAFIT-XM s.a., July 2011 - July-2012.

Research Assistant "Methodology of income for the National Dispatch Center (CND), Administrator of the Commercial exchange System (ASIC) and Charge for use of the Networks of the National System (TLAC) for the next tariff period XM" ("Metodología de ingresos para el CND, ASIC y TLAC del próximo periodo tarifario XM"), partnership Universidad EAFIT-XM s.a., July 2011-December 2011.

References

Prof.dr. Dirk Brounen Tilburg University d.brounen@uvt.nl

Prof.dr. Daan van Soest Tilburg University D.P.vanSoest@uvt.nl

Dr. Erdal Aydin Sabanci University erdalaydin@sabanciuniv.edu