

Topics in Energy Economics

Topics in Applied Energy Economics

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Objectives

The short course will present two topics in applied energy economics: 1) a presentation of the literature on energy demand, from its specification to its econometric estimation; 2) a discussion and tests of asymmetries involving energy prices.

Suggested Readings

- Madlener, R. (1996), "Econometric Analysis of Residential Energy Demand: A Survey", *Journal of Energy Literature*, II, 3-32.
- Berndt, E.R., C.J.Morrison e G.C.Watkins (1981), "Dynamic Models of Energy Demand: An Assessment and Comparison", in E.R.Berndt e B.C.Field (a cura di), Modeling and Measuring Natural Resource Substitution, Cambridge: MIT Press, 259-289
- Berndt, E.R. e D.O.Wood (1975), "Technology, Prices, and the Derived Demand for Energy", *Review of Economics and Statistics*, LVII, 259-268.
- Fuss, M.A. (1977), "The Demand for Energy in Canadian Manufacturing: An Example of the Estimation of Production Structures with Many Inputs", *Journal of Econometrics* 5, 89-116.
- "Pooling Cross Section and Time Series Data in the Estimation of a Dynamic Model: The Demand for Natural Gas", *Econometrica* 34, 585-612.
- Dubin, J.A. and D.L. McFadden (1984), "An Econometric Analysis of Residential Electric Appliance Holdings and Consumption", *Econometrica* 47, 118-131.
- Pireddu, G. e S.D'Ascenzo (1996), "I modelli di scelta aleatoria: Metodologia e applicazione al caso della scelta del sistema di riscaldamento", *Economia delle fonti di energia e dell'ambiente*, XXXIX, 139-177.
- Vaage, K. (2000), "Heating Technology and Energy Use: A Discrete Continuous Choice Approach to Norwegian Household Energy Demand", *Energy Economics*, 22, 649-666
- Balestra, P. e M.Nerlove (1966), "Pooling Cross Section and Time Series Data in the Estimation of a Dynamic Model: The Demand for Natural Gas", *Econometrica*, 34, 585-612.
- Grasso, M. and M.Manera (2007), "Asymmetric Error Correction Models for the Oil-Gasoline Price Relationship", *Energy Policy* 35
- Manera, M. and G.Frey (2007), "Econometric Models of Asymmetric Price Transmission", *Journal of Economic Surveys* 21, 259-325
- Galeotti, M., A.Lanza, and M.Manera (2003), "Rockets and Feathers Revisited: An International Comparison on European Gasoline Markets", *Energy Economics* 25, 175-190
- Bastianin, A., M.Galeotti, and M.Manera (2014), "Forecasting the oil-gasoline price relationship: do asymmetries help?" *Energy Economics*