



ECONOMETRIC RESEARCH SEMINAR

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***Inter- and intraindustrial Job-to-Job flows.
A Linkage Analysis of Regional Vacancy Chains in Austria.***

In this paper 9 Austrian NUTS 2 (inter- and intra) industrial employment-to-employment worker flows at a 33-industry disaggregation are analysed by means of vacancy chain type models. This class of models takes into account that jobs may be handed over interpersonally, thereby generating “chains” of employment opportunities which stop with interregional migrants or regional “newcomers” from non-employed labour market states or with job destruction. Methodologically these chains are dealt with by means of Leontief input-output models with inter- and intraindustrial employment-to-employment flows being an intermediate input in the production of filled vacancies. A new dataset on individual labour market episodes allows for the first time tracing of interindustrial and interregional individual careers. Based on observed worker flows, 9 regional “vacancy chain tables” similar to “classical” I-O tables are established. A linkage analysis of the resulting Leontief multiplier shows that in almost all Austrian regions business services and wholesale and retail and to a smaller extent also the metal-industry are “key” sectors in forward and backward employment opportunities. Construction and tourism as “vacancy emitting” sectors on the other hand exert an impact on other regional sectors, but are themselves to a lower extent influenced by developments in other regional sectors. These findings can be incorporated for example as additional information in industrial employment forecasts or utilized in regional labour market impact studies.