

# The Demography of Economic Recession through Labor Force Analysis

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Question your work tried to answer	What are the impacts of economic recession on workers of different age-groups, and what is the relationship between economic recession and fertility?
Local Employment Dynamics data sources used	<input type="checkbox"/> OnTheMap <input checked="" type="checkbox"/> QWI <input type="checkbox"/> Industry Focus <input type="checkbox"/> Raw data files from CD or VRDC <input type="checkbox"/> Other: _____
Other data sources used	Fertility data from the Alabama Department of Public Health
Software/ data processing tools used	SPSS and Excel
Brief description of methodology (if someone wanted to do a similar analysis, how should they approach it?)	Select 2 years: the year of highest unemployment and the year of lowest unemployment. Download necessary QWI data for all counties in the state by going to QWI Online and clicking on "View Detailed Comparison Reports" below the LEHD State County Reports table. Upload these data onto SPSS. Transform QWI data into more conventional age-groups (14-24, 25-34, etc.) by using the Compute command in SPSS. Analyze the impacts of recession on workers of different age-groups by comparing changes in employment and earnings between the two years. Add appropriate fertility data (Total Fertility Rate - TFR) for each county for the 2 years. Calculate percentage change in fertility rate between the two years. Run correlations between QWI variables and percentage change in TFR to determine the association between economic recession and fertility.
Benefits of methodology/ data	Allows the comparative analysis at county level based on free data.
Drawbacks/problems with methodology/data	User must have good knowledge of SPSS and Excel. For some states, appropriate demographic data may not be available.
Anything else?	This method can be used to examine the impact of economic recession on other demographic variables, such as mortality, marriage, and divorce.
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