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Data Article

Meta-analysis data for 104 Energy-Economy Nexus papers

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ABSTRACT

The data presented here are manually encoded characteristics of research papers in the area of Energy-Economy Nexus (empirical investigation of Granger causality between energy consumption and economic growth) that describe the methods, samples, and other details related to the individual estimations done in the examined empirical papers.

Data cover papers indexed by Scopus, published in economic journals, written in English, after year 2000. In addition, papers were manually filtered to only those that deal with Energy-Economy Nexus investigation and have at least 10 citations at (at the time of query – November 2015). This data are to be used to conduct meta-analysis – associated dataset was used in Hajko [1]. Early version of the dataset was used for multinomial logit estimation in Master thesis by Kociánová [2].

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Specifications Table

Subject area	<i>Economics</i>
More specific subject area	<i>Energy economics</i>
Type of data	<i>Table</i>

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How data was acquired	<i>Manual encoding from research articles</i>
Data format	<i>Raw</i>
Experimental factors	
Experimental features	
Data source location	
Data accessibility	<i>Data is with this article.</i>

Value of the data

- Data cover 104 top-cited Energy-Economy Nexus articles.
 - Suitable for meta-analysis.
 - Recorded for studies as a whole (“aggregated dataset” has 1 observation= for 1 empirical study) and for individual estimation samples reported in the studies (“disaggregated dataset” has 1 observation= for 1 causality estimation in a paper).
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1. Data

Table 1 provides the description and encoding values for the variables (note that variable descriptions are also available in the spreadsheet). The first line provides the full name, the second line a short name. Encoding values are represented by integer numbers (where appropriate, such as sample sizes, or number of individual estimations performed) or by categorical coding.

2. Experimental design, materials and methods

The data represent manually encoded characteristics of research papers in the area of Energy-Economy Nexus (empirical investigation of Granger causality between energy consumption and economic growth).

All covered papers are indexed by Scopus, published in economic journals, written in English, after year 2000. In addition, papers were manually filtered to only those that deal with Energy-Economy Nexus investigation and have at least 10 citations at (at the time of query – November 2015).

Variables describe both real-world characteristics and estimation characteristics used in the estimation samples in individual studies.

Original Scopus query:

```
( TITLE-ABS-KEY ( energy economy OR growth relationship OR causal OR nexus ) AND
PUBYEAR > 1999 ) AND
( causality OR cointegration ) AND
( LIMIT-TO ( SUBJAREA, "ECON" ) ) AND
( LIMIT-TO ( LANGUAGE, "English" ) ) AND
( LIMIT-TO ( SRCTYPE, "j" ) )
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