Electronic Documentation of Economics Seminar:
"Short-Term Spillover Effects: Examining the Industry Spillover Effects of the 2008-2009 Coal Boom and Bust in Kentucky and West Virginia"

USING THIS ELECTRONIC DOCUMENTATION TO REPLICATE THE STATISTICAL RESULTS REPORTED IN Seminar Paper

The electronic files to document the statistical analysis for this seminar paper are of three types: *Data, Code* and *Documentation*

There are five sorts of files. The 45 *Original* files were downloaded and preserved in exactly the format in which they were first obtained by the author. The 45 *Importable* files are similar but altered in the minimum way to allow Stata to import them. The 96 *Merge* files were created during the merging process. There are two *Final* files, one is used for the regressions and the other is for the data appendix. *Tables* are Word files of the regression tables that Stata creates.

The *Documentation* file "DataSources.pdf" cites the sources of the data and give instructions on how to download the original files of each variable from their data source. It also gives information on the changes made in Excel that were necessary to create the files found in *Importable*.

There are five *Code* Do .do files: *import.do, merging.do, cleaning.do, regressions.do, Data Appendix.do*. To replicate the statistical analysis, follow the instructions below:

- Create a folder titled *working_metelski*
- Copy the do. files into *working_metelski*
- Copy the *Importable* files to *working_metelski*
- Create three folders within *working_metelski: Merge, Final and Tables* (Make sure you capitalize the first letter of each folder)
- Launch STATA
- Open the *import.do* in Stata. Before running the code set the working directory to *working_metelski.* You should only need to do this once. All other .do files work in reference to this, but if something should get changed, set the working directory at the top of each .do file to *working_metelski* . This code imports all of the excel files in *Importable* and saves new versions of each in Stata's .dta format. The new .dta files will be saved in the *Importable* file.
- Open *merging.do* in Stata. Run all the commands in *merging.do.* This code makes the necessary changes to each importable file to merge them into one file. In addition, this .do file also creates temporary files that are needed for the merging process. All temporary files, including the final merged file, are saved into the *Merge* folder.
- Run all the commands in *cleaning.do.* This code makes the necessary changes that are needed to conduct statistical analysis. The final datasets are saved in the *Final* folder.
- Run all the commands in the *regressions.do.* This code produces all of the results that are presented in the paper. All of these commands are conducted using the file *finaldataclean.dta* that the *cleaning.do* created in the previous step. All of the regression tables will be saved in the *Tables* folder.

- Run all the commands in the *Data Appendix.do*. This code produces all of the graphs and tables that are presented in the data appendix. All of these commands are conducted using the file *finaldatacleanappendix.dta* that the *cleaning.do* created in the previous step.