

Electronic Documentation of Economics Senior Thesis:

“Simplicity Versus WAR: Examining Salary Determinations in Major League Baseball’s Arbitration and Free Agent Markets” by Joshua Studnitzer Haverford College May 2014

The electronic files preserved here to document the statistical analysis in this senior thesis are stored in two main folders: “Original Data and Metadata” and “Processing and Analysis”.

“Original Data and Metadata” simply contains the original files of the data as it was taken from the Internet; the metadata guide describes the composition of the data in more detail. Neither is essential for recreating my analysis.

“Processing and Analysis” contains three subfolders: importable data (I-data), which contains the compiled original data files in a format that is ready to be imported into STATA, a blank constructed data (c-data) that will eventually contain the datasets that STATA constructs, and do files. Copy the entire “Processing and Analysis” folder onto your computer.

The “Do-files” folder contains four do-files with all the commands necessary to reproduce all the results presented in the thesis.

To replicate the analysis:

--Launch Stata, and set the working directory to the “Command Files” folder.

-- Run the entire import.do file. These commands will import the data from each of the importable data files and merge the data into a single file titled final.dta, which will also be saved in the “c-data” folder.

--Run the entire cleaning.do file. These commands will delete extraneous variables, institute the plate appearance minimum and remove pitchers, and create necessary variables that use the data such as interactions terms and logs.

-- At this point, results.do and data appendix.do should run without a hitch and replicate the results in the paper as described in the comments within the do file.