

Over the summer of 2015, Gabriel Gowen and Jordan Lambay developed Dow-Eff models using the a data set constructed by Lewis Binford (lrb.csv) that records a wide range of variables about hunter-gatherer societies and the environments in which they are found. This project used a new online way to develop Dow-Eff models using datasets like the lrb.csv called Complex Social Science [CoSSci]. The process of developing models included organizing model sets with their respective variables into the input of the program, and then reviewing the significant factors to make decisions about which variables to keep and which to exclude in the next version of the model. This process continued through several iterations until the model stabilized. All the models that were run were saved as excel files into a folder Truman U-drive. This process included hours of one person sifting through data sets on paper as the other person ran and saved the data on the computer. This data is now being used to compare multiple regression models developed by Binford in 2001 with the models from the new Dow-Eff modeling strategy. We will be co-authors with Dr. Amber Johnson on a paper titled "Ecological constraints in hunter-gatherer societies: An initial foray into Dow-Eff modelling using Binford's hunter-gatherer data" that will be published in the Wiley Companion to Cross-Cultural Research, edited by Douglas R. White.

