1125-62-2289   **Morgan E Engle*** (`englem@southwestern.edu`) and **Penny Phan** (`phann@southwestern.edu`).
Green Math: Models of Greenhouse Gasses.

We will present mathematical models that analyze data on CO2 emissions for different countries across time. Some factors we consider are fossil fuels, livestock, land use and agriculture. We will illustrate how parameter values, dependent on agricultural practices, account for methane emissions in diverse socio-economic regions of the world. (Received September 20, 2016)