**Read About Data Analysis Files**

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The files in this folder include:

**1. Coastal Carbon NGGI Analysis (1-105).sas**

This program was written for the National Greenhouse Gas Inventory of US Coastal Wetlands. The purpose of the program is to calculate geomean results for different ecosystem and climate zones. Here, the program read the data from a dataset assembled from 105 individual data sets, transformed by taking the log10 of the value, then averaged by category. This produced a geomean by category. The steps of the calculation were:

1.1 Read in the assembled dataset.

1.2 Convert the variables to units of Mg ha-1 for biomass, Mg C ha-1 for soil carbon stock and Mg C ha-1 yr-1 for sequestration rate.

1.3 Calculate log10 value for each variable

1.4 Calculate the mean values for log10 values

1.5 Calculate the geomean values for each variable

**2. Coastal Carbon NGGI Data.xlsx**

Dataset for geomean and confidence interval calculations. This is the assembled data set that was merged from 105 individual data set.

**3. Coastal Carbon NGGI Output.xlsx**

The output geomean results for different ecosystem and climate zones. The dataset includes metadata, geomean, lower and upper 95%CI of geomean values, sample size for different categories.