Annual Geometric Means

To calculate an annual geometric mean (AGM), there must be 4 temporally independent samples (one week apart) per year with at least one sample collected between May 1 and September 30, and at least one sample collected during the other months of the calendar year. This is described in more detail in [62-303.350, F.A.C.](https://www.flrules.org/gateway/ChapterHome.asp?Chapter=62-303) For DO ??? each WBID must have at least 10 samples for assessment with 5 temporally independent (one week apart) to have sufficient data for assessment.

To assess nutrient criteria expressed as a long-term average of annual means for TN, TP, NO3-NO2, or chlorophyll a, the long-term average of annual means shall be based on data from at least 3 years meeting the minimum data requirements of subsection 62-303.350(3), F.A.C.

To assess nutrient criteria expressed as a long-term average for TN, TP, NO3-NO2, or chlorophyll a, the long-term average for nutrients shall be based on a minimum of 10 data points over at least 3 years, with at least two temporally independent samples per year, with at least one sample collected between May 1 and September 30 and at least one sample collected during the other months of the calendar year.

This section is calculated by hand using the *geometric.mean()* function in the *psych* package.