

## **Data Management**

### **Lecture 01**

#### **I. Objectives**

At the end of this series of lectures, you should be able to:

- A. Define terms.
- B. Develop an effective data management plan.
- C. Assemble a data matrix.
- D. Describe the importance of screening data prior analysis.
- E. Assess basic assumptions of statistical procedures.
- F. Transform data to meet assumptions of statistical procedures.

#### **II. Vocabulary**

Boxplot  
Case  
Censored data  
Discrepancy  
Dummy variable  
Heteroscedasticity  
Histogram  
Homoscedasticity  
Independence  
Influence  
Kurtosis  
Lattice  
Linearity  
Mahalanobis distance ( $D^2$ )  
Messy  
Multicollinearity  
Multivariate normality  
Noisy  
Normality  
OTU  
Outliers  
Redundant  
Residual  
Scatterplots  
Singularity  
Skew  
Transformation  
Variable