

1116-VP-2463 **Krishna Kaphle*** (krishna.kaphle@maine.edu). *Some Statistical Tools for Data in Hilbert Spaces*. Preliminary report.

Functional Data Analysis refers to the study of statistical methodology when data are in function spaces. With the advance of modern technology, attention on Functional Data Analysis has increased. We will discuss on simple statistical tools for estimation of the mean and the covariance operator when data are in a Hilbert space. We will also discuss the problem of testing various hypothesis using functional data. (Received September 22, 2015)