Objectives:

- Analyze large scale multivariate scientific data sets
- Understand the relationship between the variables and their importance
- Understand the correlation and variability between user-selected variables
- Create an intuitive graphical user interface that allows the scientists to perform step-by-step analysis and data filtering

Impact:

- Simplify the task of variable selection and browsing via an information-theoretic analysis framework
- Allow run time data reduction by selecting only the most important variables to explore
- Facilitate intuitive and systematic visual analysis for exploring large scale multivariate scientific data

Results

- Software
  - ITL: Information Theoretic Data Analysis Library (in progress)
- Publication