

Generators

Wrappers for Monte Carlo engines
and other generators of
simulated data

Datasets

data in various sources, such as
ROOT, Numpy/Pandas, databases,
wrapped in a common interface

Aggregations

histograms and other “sufficient
statistics” that summarize or
project a dataset

Modeling

traditional fitting: Minuit, linear,
lasso, etc., as well as machine
learning: BDTs, neural nets, etc.

Visualization

interface to graphics engines,
from ROOT and Matplotlib
to d3 and plot.ly

