

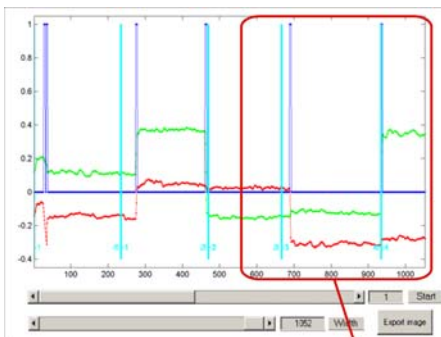
GETTING INFORMATION FROM YOUR DATA

Extracting just the right information from big chunks of data is what research is all about.

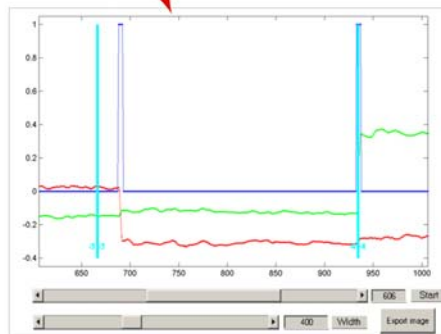
The FaT makes it easier to get what you need from faceLAB™ data:

FEATURES OF THE FaT

1. Interactive zooming into data sets

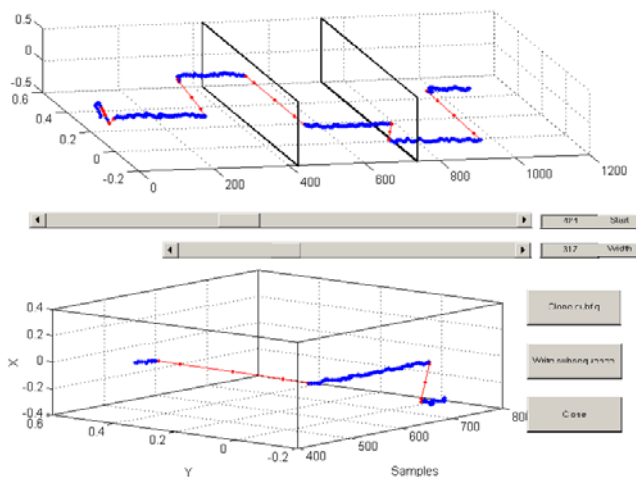


Slide varying width zoom windows over your data...

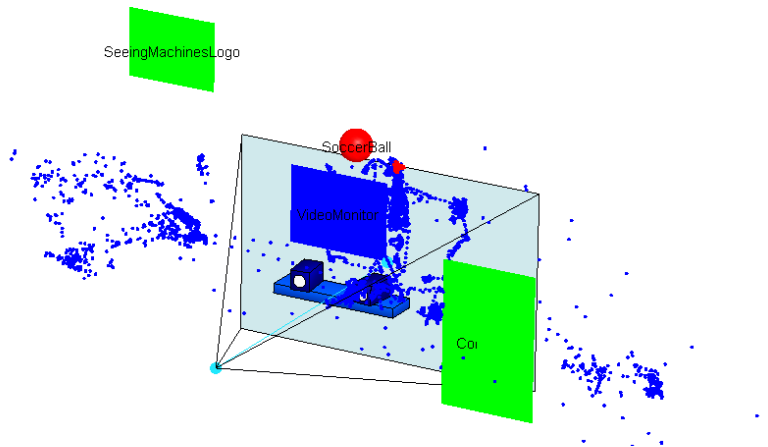


and take a closer look at the numbers.

Examine 2D data series in 3D - with a zoom window for fine detail.

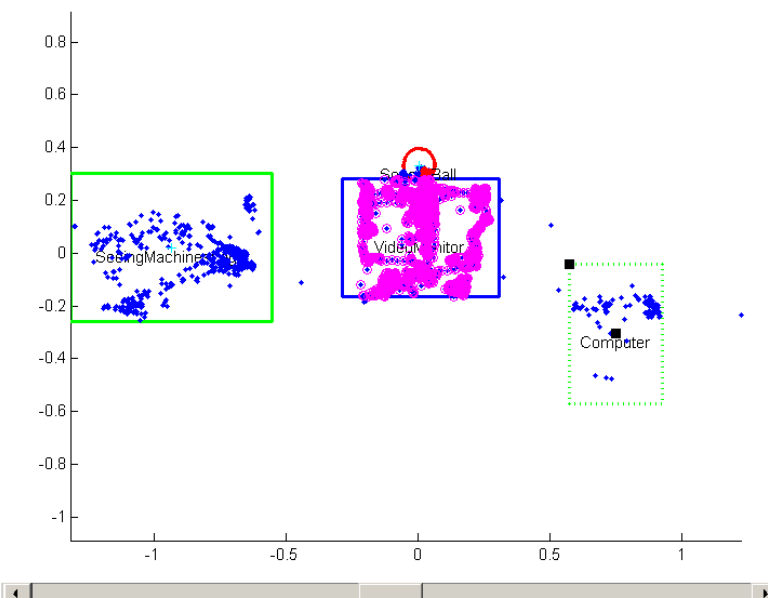
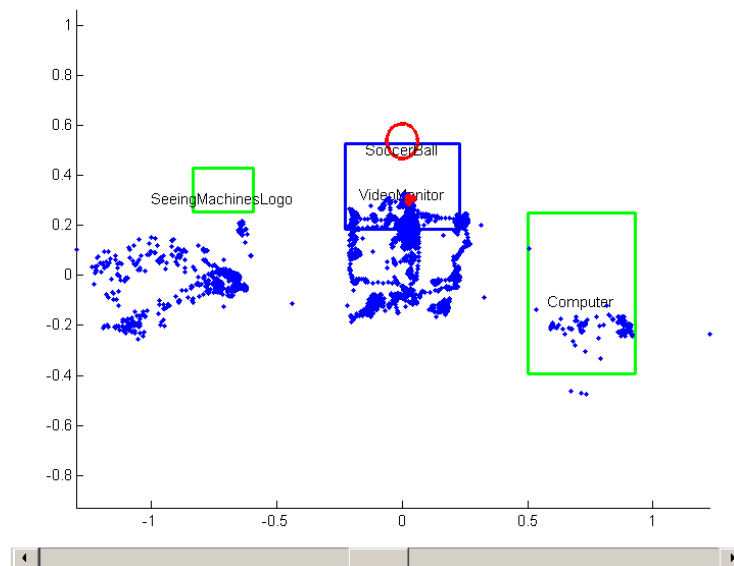


2. Post-experimental world model editing



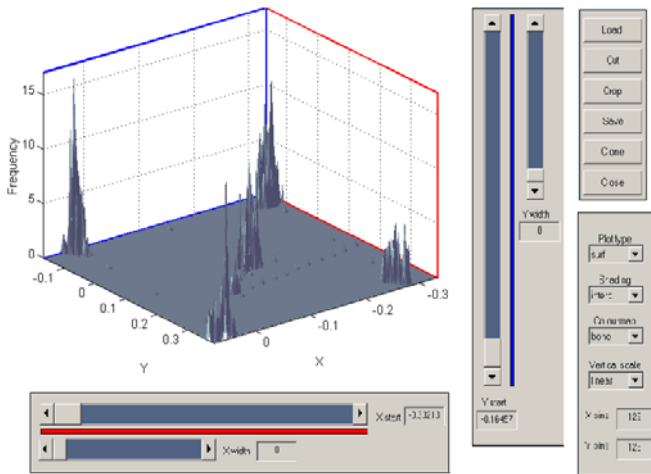
Reduce 3D data and world models to a 2D projected representation.

Edit the world model with your data visible.



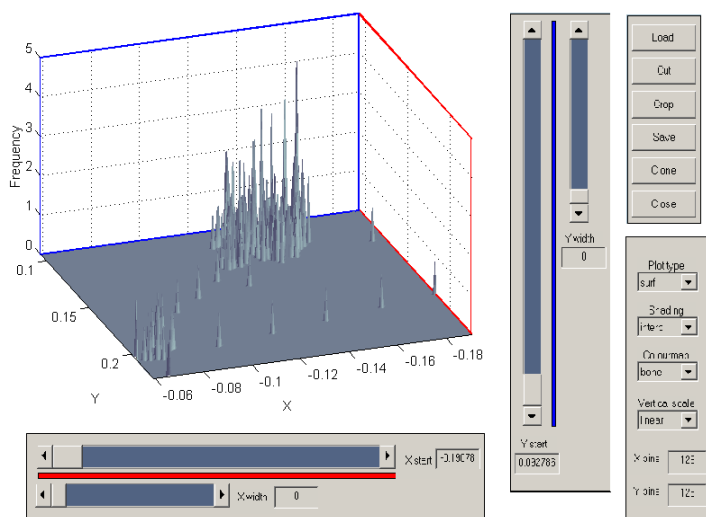
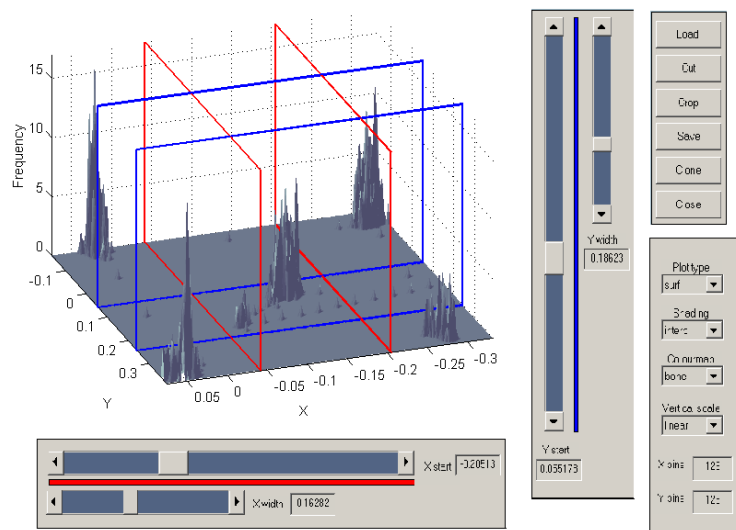
Cluster and analyze gaze, head pose and attention data by world model intersection.

3. Interactive graphical editing of histograms



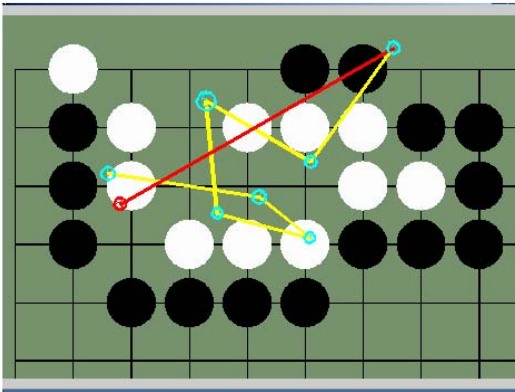
Display histograms of 2D data from any perspective in a range of standard MATLAB® plot styles.

Interactively select subsets of the data.



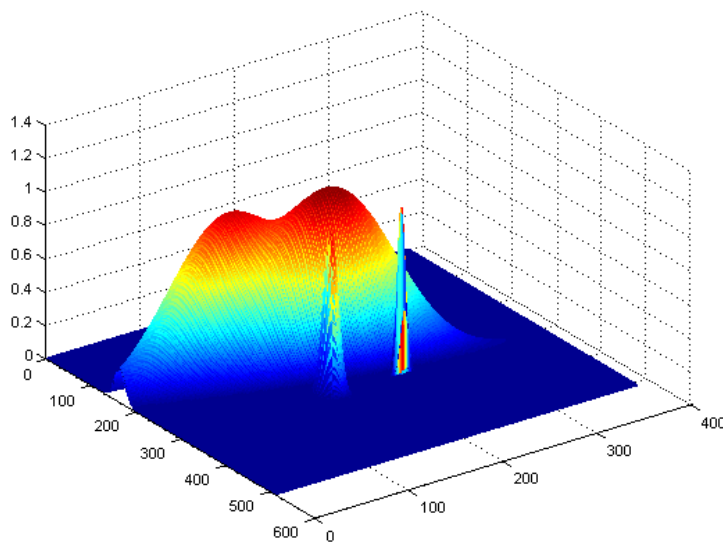
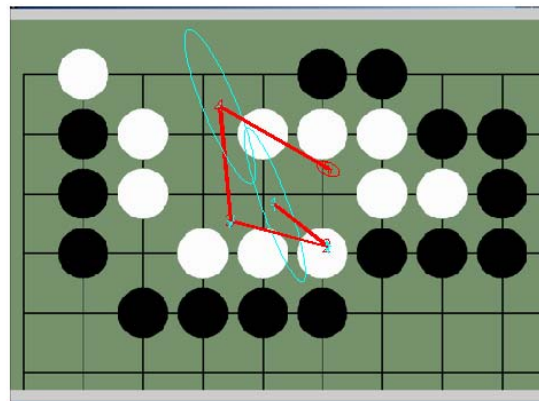
Edit your data by cutting or cropping the histogram.

4. Fixation sequence and fixation map display



Overlay gaze and fixation data on stimulus images and create movies.

Represent fixations by circles with radius proportional to gaze duration or display fixation covariances in a Gaussian mixture...



with a fixation map surface representation.



EXPLOITING THE POWER OF MATLAB®

- MATLAB® is an ideal software environment for research,
- a simple, high level programming language,
- extensive graphics capabilities.

FaT 1.1 has been tested under MATLAB® Version 6.1 and 6.5. It uses standard Matlab functions except in stimulus image display, which requires the Image Processing Toolbox.

You need MATLAB® b to use the full FaT functionality

A subset of the FaT is available to all faceLAB™ users as the Data Browser, which is shipped with faceLAB™ and does not require the Matlab package.

SHARING YOUR RESEARCH

The FaT is available under the GNU General Public License. You are free to modify and redistribute your code and results.

faceLAB™ users are encouraged to submit new and modified code for distribution to other users or inclusion in future FaT releases. Newsgroups maintained by Seeing Machines allow FaT users to communicate and share code, and can be accessed from the FaT homepage at www.seeingmachines.com/products.htm

For further information please contact sales@seeingmachines.com