Data structure:

'Tracks.mat' contains the behavioural data displayed in figure 8. In this file, there are 2 variables. The first is the variable 'tracks', a cell array that contains all single tracks in matrix format (x, y, and frame).
The other variable is 'labels' ; It is a cell array of strings that corresponds to the tracks in the 'tracks' variable. The columns in 'labels' specify acquisition date, training paradigm, track identifier.

Condition names (conditions) are:

STAPT: short term appetitive trained
STAPM: short term appetitive mock-trained
NAIVEM1: NAIVE for the appetitive condition (done at butanone 10E-1);

STAVT: short term aversive trained
STAVM: short term aversive mock-trained
NAIVEM1: NAIVE for the aversive condition (done at butanone 10E-3);

Data visualisation:

Copy the tracks.mat and all the .m files into your current MatLab working directory. And follow the instructions in **'workflow_visualize_behavior.m'**

For the line graphs, the **circular statistics toolbox Philip Berens** is required. Please download the toolbox (https://de.mathworks.com/matlabcentral/fileexchange/10676-circular-statistics-toolbox-directional-statistics), unpack, and copy it into the same folder as the other .m files.