The data for the Needle Insertion Experiment is a file containing a MATLAB structure arranged in the following way:

Experiment.type %the type of the experiment '1', '2' or '3'

Experiment.Subjects %array of structures containing data for each subject

    Experiment.Subjects(i).name %name of $i^{th}$ subject

    Experiment.Subjects(i).Trial %an array of structures containing data from each trial

        Experiment.Subjects(i).Trial(j).Position % position [m]

        Experiment.Subjects(i).Trial(j).Force % force [N]

        Experiment.Subjects(i).Trial(j).Time % time [sec]

        Experiment.Subjects(i).Trial(j).Start % $1^{st}$ boundary location [N/m]

        Experiment.Subjects(i).Trial(j).Boundary % $2^{nd}$ boundary location [mm]

        Experiment.Subjects(i).Trial(j).delT1 % $\Delta t1$ [sec]

        Experiment.Subjects(i).Trial(j).delT2 % $\Delta t2$ [sec]

        Experiment.Subjects(i).Trial(j).Gx % Gain Position

        Experiment.Subjects(i).Trial(j).Gf % Gain Force

        Experiment.Subjects(i).Trial(j).kb1 % $1^{st}$ stiffness coefficient [N/mm]

        Experiment.Subjects(i).Trial(j).kb2 % $2^{nd}$ stiffness coefficient [N/mm$^2$]

        Experiment.Subjects(i).Trial(j).kt % stiffness coefficient after $2^{nd}$ boundary [N/m]

        Experiment.Subjects(i).Trial(j).answer % feedback after trial, either "yes" or "no"

        Experiment.Subjects(i).Trial(j).answer % the answer of the subject for the $j^{th}$ trial, either "none", "previous" or "current", depending if the trial was a catch trial.