

# Information document about the DST

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## 1 Introduction

The dynamic state tracker is an application that allows users to give feedback in real time on a video. The questions can be defined by the user. The data can then be manipulated in the program and even exported to an excel format.

## 2 Installation

For installation, see the readme file in the git repo.

## 3 Using the program

The main program has 4 main buttons.

1. The play button
2. The set questions button
3. The set form button
4. The review button

### 3.1 The Play Button

The play button is for when you have already set the questions and the beginning form. Clicking this button will open the questionnaire form. After this has been submitted the program will open a video viewing window. Then the user must open a video file to begin watching and recording.

At the end of the video, the user will be prompted to name their save file. This file will then be saved in the 'saves/' folder/

### **3.2 The Set Questions Button**

The set questions button is used to define the questions that the user will be asked while viewing the video. You must also define the time period for how often the users response is recorded. The default value for this is 1000 ms. (This is set by the text box on the right hand side of the window)

### **3.3 The Set Form Button**

The set form button is used to define the introduction questionnaire that users are asked before viewing the video. This can be used to collect general data like name, gender, age.

### **3.4 The Review button**

The review button is used to review data that has already been inputted and saved. When opening the review window, the user must select a save file in the 'saves/' folder.

After opening a file, the user can view graphs based on the input for each question. The user can also create a best fit using multiple degrees of polynomials. The data in the save file being reviewed can be exported into excel format using the 'export' button.

Some general statistics and the best fit equation can be found by clicking the 'statistics' button.

## **4 Notes**

Multi-question mode is not yet implemented into the program.

Binary questions are not yet implemented into the program.

## **5 Help**

If you are struggling with installation or have a question concerning the features of the program, email to: s2915189@student.rug.nl