



### ExpertEyes: OpenSource Eye-tracking

#### INSTRUCTOR RESUME



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#### BENEFITS OF THE TUTORIAL

In this tutorial you will learn how to collect and analyze eye tracker data using our open source software. Our proposed system is flexible in terms of input of data streams, can be used as a stationary or portable eye tracking station. The user has full control of all the aspects of the analysis since the code is open for modification.

ExpertEyes is independent from hardware, free to use and modify. The offline analysis mode, allow the user to go back and fix noisy data.

#### FEATURES

In this tutorial you will learn:

- Eye-tracking basics.
- How to collect eye-tracker data
- The overall structure of our open source software.
- The kind of data that can be processed by our software.
- How to use the graphic user interface to explore and process data.
- How to use the different features included in the present version.
- How to get very good quality data and fix corrupted or noisy eye-tracker data.
- How to report bugs or suggestions to the developers.
- How to create an efficient analysis path for eye-tracker data.

### AUDIENCE

Our tutorial will be a 'hands-on' activity; this means that the participants will collect and analyze data during the tutorial. The use of individual laptops is highly recommended. The tutorial will be divided in two parts:

- a) Theoretical Part (about 30 minutes): We will go through the basics of eye tracker data collection and analysis. The speaker will show how our system works and what are the main features included in the present version of our software.
- b) 'Hands on' Part (about 60 minutes): Workgroups will be formed and the speaker will provide each group an eye tracker hardware to work with. Each group will collect and analyze data.