

FaceReader in a Nutshell

SETUP

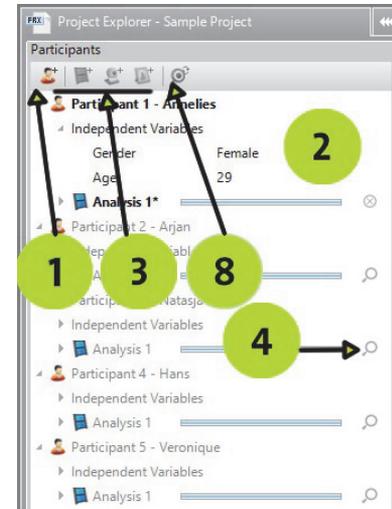
- Place the camera in front of the test participant and slightly below eye level. Make sure your camera provides images with good contrast and brightness.
- Good lighting is crucial. Avoid direct light, reflections and shadows on the face. Make sure the lighting on the face comes directly from the front, for example by placing the setup in front of a window. If necessary, use lights on either side of the monitor, or a professional photo light to increase light intensity, or to compensate for undesirable light sources.



PROJECT

Create a new Project (**File > New > Project**)

1. Add Participants.
2. The gender and age of your participants are added as independent variables and are automatically estimated by FaceReader. To select the age and gender manually, double-click the participant name. Click the pencil button next to the independent variable to enter the values manually.
3. Add one or more analyses for each participant and choose to analyze from images, video, or live from your camera.



ANALYSIS

4. Click this button next to an analysis to open it. 
5. Check the options for this analysis in the **Settings** window in the bottom-left corner of the analysis window.
To create default settings for each new analysis, choose **File > Settings**. Open the tab **Default Analysis Settings** and make your selection.
6. Click the **Start analysis** button to carry out the analysis.
7. The **Image quality** bar should cross both dashed lines. Otherwise, improve lighting or reposition your camera.

- It is not possible to mix image analyses with camera or video analyses.
- To add multiple video analyses to a participant, right-click the participant's name, select **Add Multiple Video Analyses**, and select your videos.
- To analyze all analyses at once, click the **Start batch analysis** button on the toolbar [8]. 



OUTPUT

FaceReader displays a number of windows with graphical and tabular output.

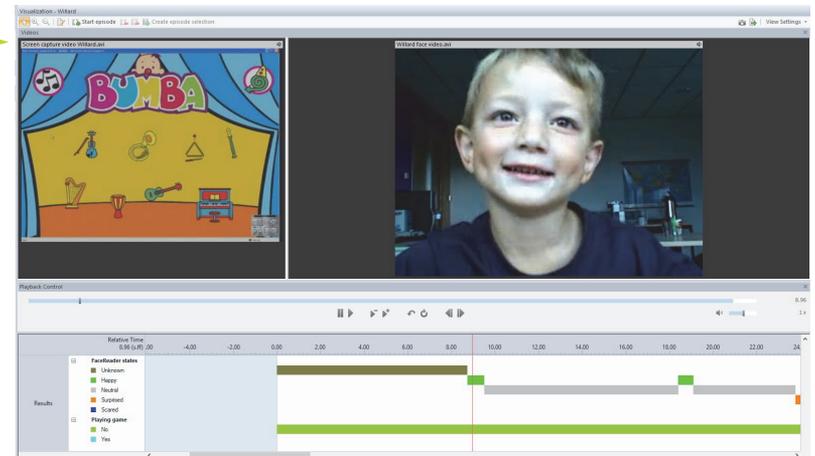
1. Click one of the buttons in the **Analysis Visualization** window to show, for example, the key points in the face or the Facial States.
2. To switch windows, click the **Select** window button in the upper-right corner of one of the windows and make your selection.
3. To zoom, or to copy or save the graph, click one of the icons on the toolbar of the bottom-right window.
4. To show more windows, click the **Split/Unsplit** button in the upper-right corner of one of the windows.



EXPORT

To export your data, choose **File > Export**. Choose to export the results of the analysis, participant, or entire project. You have the following options:

- **State log** – with the dominant facial expressions as states over time.
- **Detailed log** – with the intensities of all facial expressions over time. To save extra options, like facial states, global gaze direction, valence and arousal values to the log file, select these options in the **Data Export** tab of the **Settings** window (**File > Settings**).
- **Observer log** – Choose this option if you want to import the facial states in The Observer® XT.



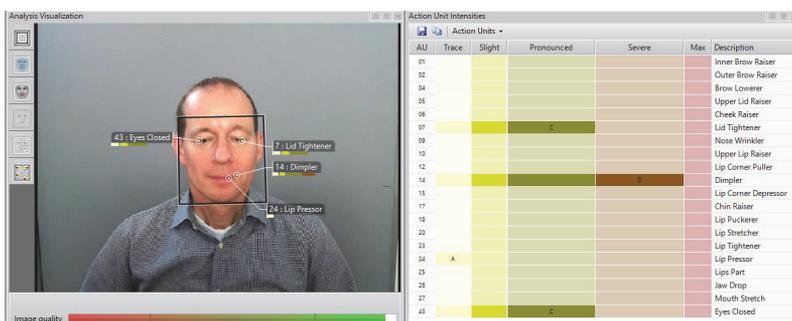
MODULES

You can extend FaceReader's basic license with the following modules:

- **Project Analysis Module** – to automatically show stimuli and to analyze groups of participants.

Females		(N = 3)					
Stimulus/EventMarker	N	Neutral		Happy		Sad	
		MEAN	STDEV	MEAN	STDEV	MEAN	STDEV
All Analyses	3	0,386	0,147	0,505	0,112	0,208	0,280
Twins eating	3	0,266	0,142	0,701	0,099	0,251	0,343
Frying insects	3	0,428	0,264	0,391	0,248	0,199	0,265

- **Action Unit Module** – to analyze action units of the Facial Action Coding System (FACS).



MORE INFO?

See the FaceReader Reference Manual that opens when you press **F1** in the program, can be accessed with the Windows **Start** menu, and can be downloaded from www.noldus.com/downloads.

