% read the data, always supply absolute path **Trials** [trials, info] = edfread('/path/to/test.edf'); Info (plus global meta data) % plot left fixations from first trial Left plot(trials(1).left.fixation.x, header: N char trials(1).left.fixation.y); Right calib Button SUBJECTINDEX: N char % get all data from the left eye Metadata L = [trials.left]; % make a matrix of all fixations Lfix = [L.fixation]; Calibration % scatter plot them Eye Button Metadata scatter([Lfix.x],[Lfix.y]); (joypad only) left right Fixation time: Int32 (Time) time: Int32 code: Int32 (ButtonID) value: Single Saccade Blink Sample Drift: 3x1 Single **Eye Calibration** max: Maximum Validation Error avg: Average Validation Error off deg: Offset in Degrees off x: Pixel Offset X **Fixation** Saccade **Blink** Sample **Drift: 3x1 Single** off y: Pixel Offset Y res x: X Resolution at Screen Center res y: Y Resolution at Screen Center start: Int32 time: Int32 1 Screen Offset X start: Int32 (Time) start: Int32 (Time) type: Calibration Type (Points) end: Int32 (Time) sx: Single (Start X) end: Int32 x: Single 2 Screen Offset Y coeff: Coefficients for LSQ fitting x: Single sy: Single (Start Y) y: Single 3 Offset Angle pupil: Single end: Int32 (Time) y: Single ex: Single (End X) pupil: Single ey: Single (End Y) speed: Single (accumulated Speed) **FixMat** The ID of this edfread release is \$Id: cheatsheet.svg 11 2007-06-18 05:38:21Z jsteger \$

- % read the data, always supply absolute path fixmat = fixread('/path/to/* EDF')
- % subject index is read from the edfread
- % INFO structure
- % Metadata fields from TRIALS are also added

start: Int32 (Time) sx: Single (Start X) sy: Single (Start Y) end: Int32 (Time) index: UInt16 pupil: Single drift: 3x Single subject: UInt16

To check out the latest version, issue:

svn co svn+ssh://yourname@hal.ikw.uos.de/srv/svnroot/nbp/eyetracking/edfread/current edfread This will create a new 'edfread' directory in your current path.

Add this to your Matlab path as well: addpath('/path/to/edfread')

If you already checked out edfread, you can just 'cd' into that directory and do: svn up