

<b>Feature Name</b>	<b>What it means</b>
avg_blink_rate	Blinks per minute
blink_variability	How irregular blinking is
avg_fixation_time	How long eyes stay on one word/object
fixation_variance	Reading instability
saccade_speed	Speed of eye jumps
saccade_count	Number of eye jumps
gaze_entropy	Randomness of eye movement
regression_count	Eyes moving backward (rereading)
lookaway_frequency	How often eyes leave screen
focus_ratio	% time eyes stay on task
pupil_dilation_avg	Mental effort
pupil_dilation_variance	Cognitive stress

### **Feature**

head\_movement\_energy

head\_turn\_rate

head\_stability

head\_down\_time

face\_to\_screen\_distance

posture\_shifts

**Feature**

brow\_furrow\_rate  
lip\_press\_rate  
jaw\_clench\_rate  
eye\_widen\_rate  
smile\_ratio  
frown\_ratio  
confusion\_expression\_rate  
frustration\_expression\_rate  
micro\_expression\_count

**Feature**

emotion\_happy\_avg  
emotion\_sad\_avg  
emotion\_fear\_avg  
emotion\_angry\_avg  
emotion\_neutral\_avg  
emotion\_surprise\_avg  
emotion\_variance  
negative\_emotion\_ratio

**Feature**

mouth\_open\_rate  
lip\_hesitation\_rate  
silent\_reading\_mouth\_moves  
word\_restart\_count  
pause\_before\_speaking  
speaking\_confidence\_score

**Feature**

attention\_ratio  
distraction\_events  
off\_screen\_time  
gaze\_drift\_rate  
hyperactivity\_index  
engagement\_score

**Feature**

cognitive\_load\_index  
stress\_index  
face\_tension\_score  
blink\_stress\_ratio  
expression\_volatility  
task\_difficulty\_response