



EXRT – ECG Readiness Analyzer

Real-time physiological readiness assessment powered by ML

Upload ECG Data

Choose an ECG file (.csv, .npy, or .pkl)

Drag and drop file here
Limit 2GB per file • CSV, NPY, PKL

Browse files

S2.pkl 0.9GB

Loading large pickle file (929.9 MB)... This may take a moment.

✓ PPG+Dalia format detected (929.9 MB) - Chest ECG extracted

✓ Loaded 4,255,300 samples (6079.0s)

✓ Analyzed 400 windows

Summary Metrics

Avg Readiness

14.0%

-36.0%

Max Readiness

99.3%

Min Readiness

0.7%

Avg Confidence

99.3%

49.3%

Prediction Accuracy

99.8%

Std Dev

33.6%



Overall State Classification

Fatigued

Low readiness - Recovery recommended

Detailed Analysis

Time-Series

Confidence

Distribution

State Dist

Gauge

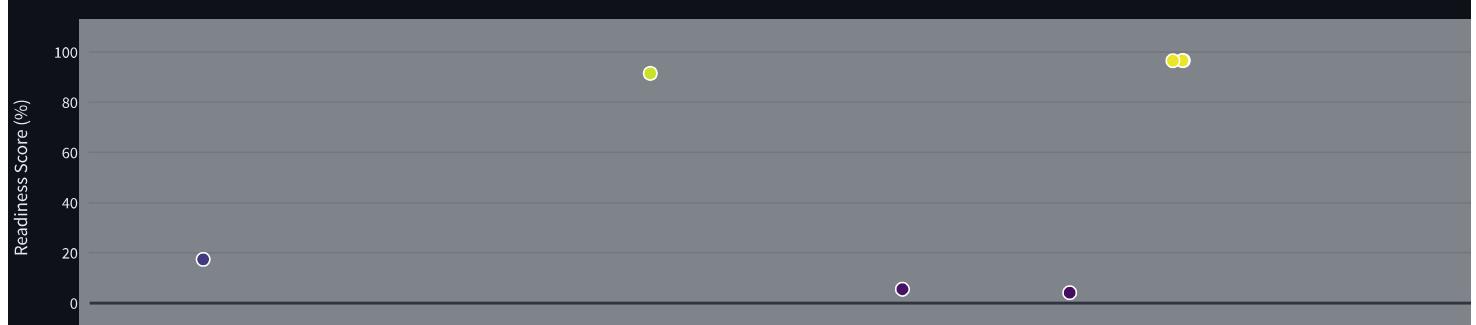
HRV Metrics

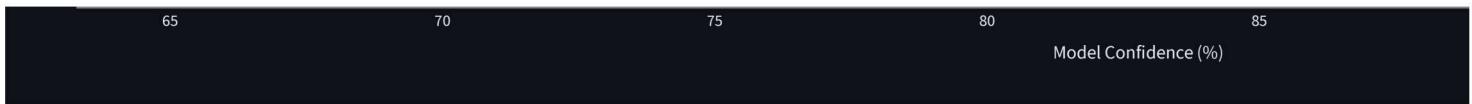
Trend

Correlation

Raw ECG

Readiness vs Model Confidence





Scatter plot showing relationship between readiness and model confidence

📋 Window-Level Details

window_idx	center_time_sec	readiness	confidence	prob_ready	prob_other	HRV_RMSSD	HRV_SDNN
0	45	0.67	1	0	1	41.81	74
1	60	0.67	1	0	1	40.54	69
2	75	0.67	1	0	1	38.84	66
3	90	0.67	1	0	1	42.57	57
4	105	0.67	1	0	1	43.58	51
5	120	0.67	1	0	1	47.29	60
6	135	0.67	1	0	1	45.55	63
7	150	0.67	1	0	1	50.85	63
8	165	0.67	1	0	1	51.65	63
9	180	0.67	1	0	1	52.04	63

💾 Export Results

[Download as CSV](#)[Download as JSON](#)