

Eye Tracking Analysis Report

Session: Session_20250610_184239

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Condition Summary

Primary Findings:

- Normal Eye Movement (high confidence)
No significant abnormalities detected in eye movement patterns.

Recommendations:

- [LOW] Continue current eye care routine, no specific recommendations needed

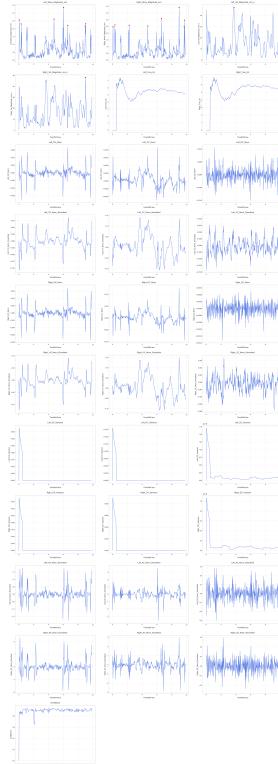
Detailed Analysis

Metric	Left Eye	Right Eye	Threshold	Interpretation
Movement Velocity (mm/s)	14.7	15.1	>15 normal	Low velocity may indicate fatigue
Movement Frequency (Hz)	5.0	5.0	0.5-2.5 normal High	High frequency may indicate nystagmus
Position Variance	0.001	0.001	<0.01 stable High	High variance indicates tremor or instability

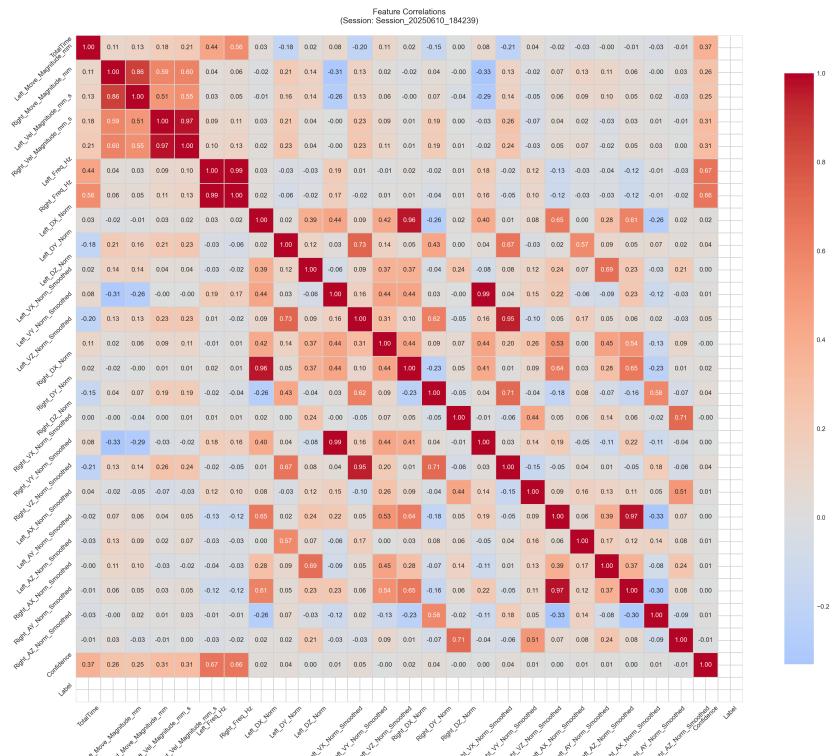
Statistical Summary

	mean	std	min	50%	max	IQR	Outlier_Count
Index	165.0	95.12	1.0	165.0	320.0	164.0	0.0
TotalTime	5.16	2.95	0.14	5.18	10.25	5.04	0.0
TimeWithFace	4.73	2.94	0.0	4.74	9.82	5.04	0.0
Left_Move_Magnitude_mm	0.59	0.52	0.0	Enhanced Statistics	3.36	0.54	7.0
Right_Move_Magnitude_mm	0.6	0.57	0.0	0.44	3.92	0.56	8.0
Left_Vel_Magnitude_mm_s	14.7	10.78	0.0	12.24	47.25	15.45	1.0
Right_Vel_Magnitude_mm_s	15.1	10.85	0.0	12.46	48.2	16.18	1.0
Left_Freq_Hz	5.0	1.69	0.0	5.52	7.47	0.57	0.0
Right_Freq_Hz	4.96	1.69	0.0	5.61	6.97	1.06	0.0
Left_DX_Norm	-0.0	0.0	-0.01	0.0	0.01	0.0	0.0
Left_DY_Norm	0.0	0.0	-0.01	0.0	0.01	0.0	0.0
Left_DZ_Norm	-0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
Left_VX_Norm_Smoothed	-0.0	0.03	-0.11	-0.0	0.09	0.02	0.0
Left_VY_Norm_Smoothed	0.01	0.05	-0.11	0.0	0.14	0.05	0.0
Left_VZ_Norm_Smoothed	-0.0	0.0	-0.01	-0.0	0.01	0.0	0.0
Right_DX_Norm	-0.0	0.0	-0.01	-0.0	0.01	0.0	0.0
Right_DY_Norm	0.0	0.0	-0.01	0.0	0.01	0.0	0.0
Right_DZ_Norm	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0
Right_VX_Norm_Smoothed	-0.0	0.03	-0.12	-0.0	0.09	0.02	0.0
Right_VY_Norm_Smoothed	0.01	0.05	-0.11	0.0	0.15	0.05	0.0
Right_VZ_Norm_Smoothed	-0.0	0.0	-0.01	-0.0	0.01	0.0	0.0
Left_DX_Variance	0.0	0.01	0.0	0.0	0.04	0.0	0.0
Left_DY_Variance	0.0	0.0	0.0	0.0	0.02	0.0	0.0
Left_DZ_Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right_DX_Variance	0.0	0.01	0.0	0.0	0.04	0.0	0.0
Right_DY_Variance	0.0	0.0	0.0	0.0	0.01	0.0	0.0
Right_DZ_Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Left_AX_Norm_Smoothed	0.02	0.42	-1.78	-0.02	1.78	0.25	0.0
Left_AY_Norm_Smoothed	0.0	0.55	-3.59	0.0	3.6	0.38	0.0
Left_AZ_Norm_Smoothed	0.0	0.09	-0.3	0.0	0.29	0.09	0.0
Right_AX_Norm_Smoothed	0.02	0.46	-1.88	-0.0	2.29	0.25	0.0
Right_AY_Norm_Smoothed	-0.01	0.55	-2.82	0.0	2.94	0.44	0.0
Right_AZ_Norm_Smoothed	0.0	0.07	-0.25	0.0	0.29	0.09	0.0
Confidence	0.86	0.18	0.0	0.9	0.94	0.03	0.0
Label	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Feature Trends



Feature Correlations



Movement Analysis

