

User 56

XO-SOLE Data

Gait Analysis

User Information

User Height	User Age	User Sex	User Shoe Size	User Weight
167.64 cm	25	Female	7.0 US Men's	55.34 kg

Insole Information

	Mac Address	Size
Left	e62d851549c0	S
Right	e3b55a458fdc	S

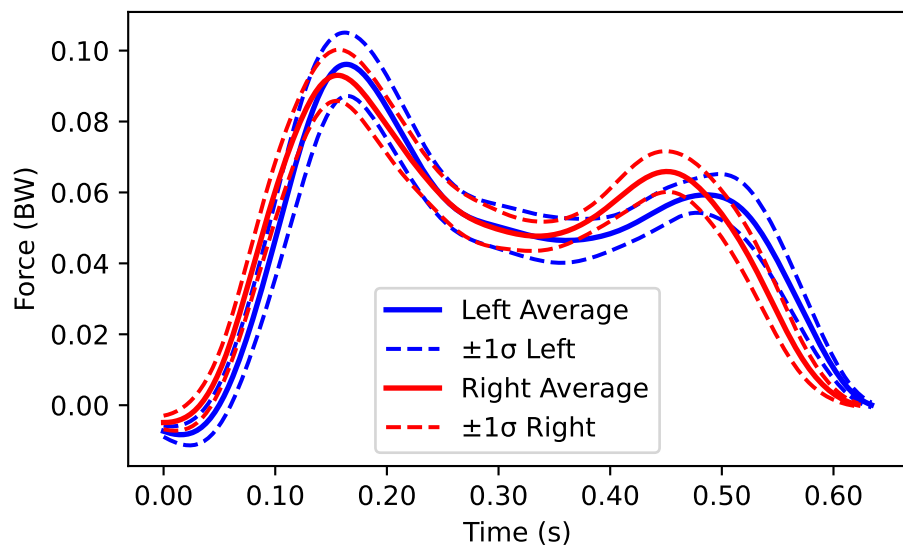
Test Summary

	Walking Stances	Running Stances	Total Stances
Left	149	44	193
Right	146	44	190

Start Time	End Time	Total Duration	Walking Cadence	Running Cadence
11:34:30 AM	11:38:00 AM	00:03:30	117 spm	165 spm

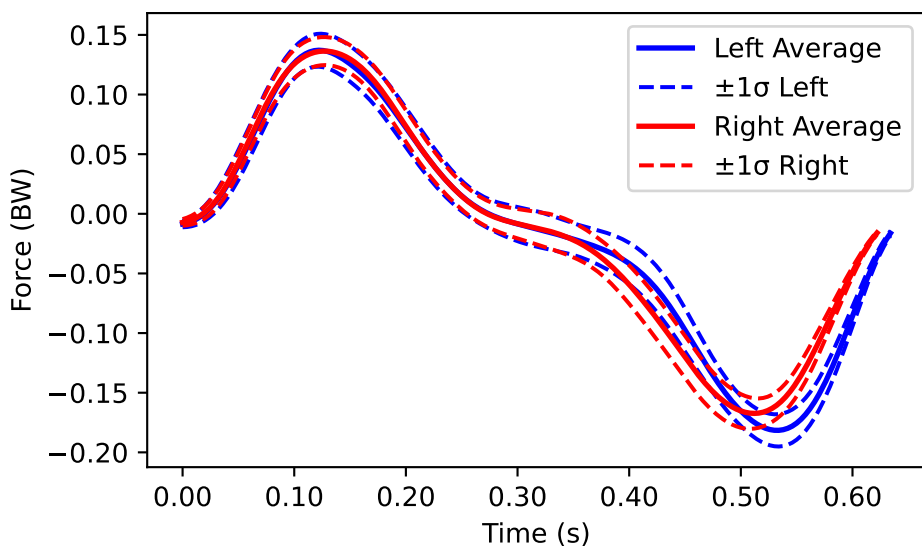
Walking Information

Lateral Force



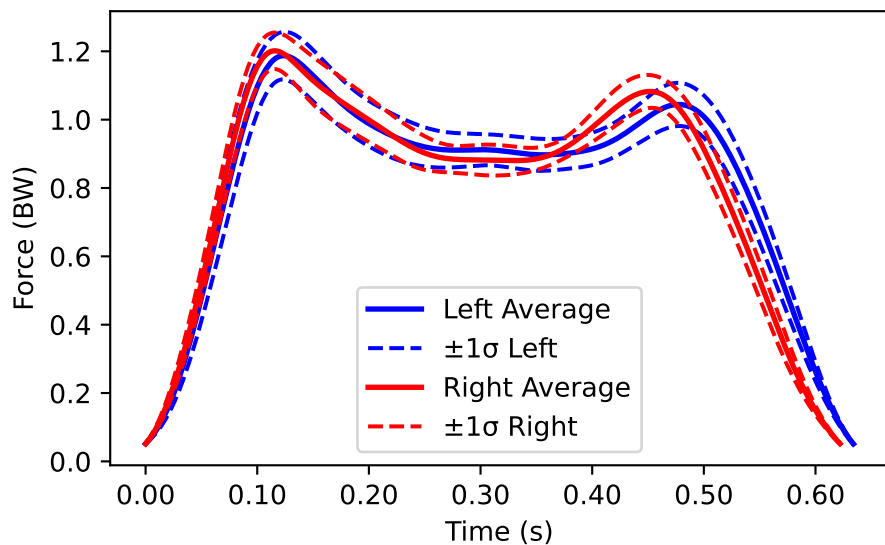
	Left Median	Right Median
Max Force (BW)	0.0977	0.0947
Impulse (BW·s)	0.0297	0.0304

Anterior Force



	Left Median	Right Median
Peak Brake (BW)	0.140	0.139
Impulse Brake (BW·s)	0.0194	0.0194
Peak Propulsion (BW)	0.181	0.168
Impulse Propulsion (BW·s)	0.0298	0.0282
Total Impulse (BW·s)	0.0104	0.00871

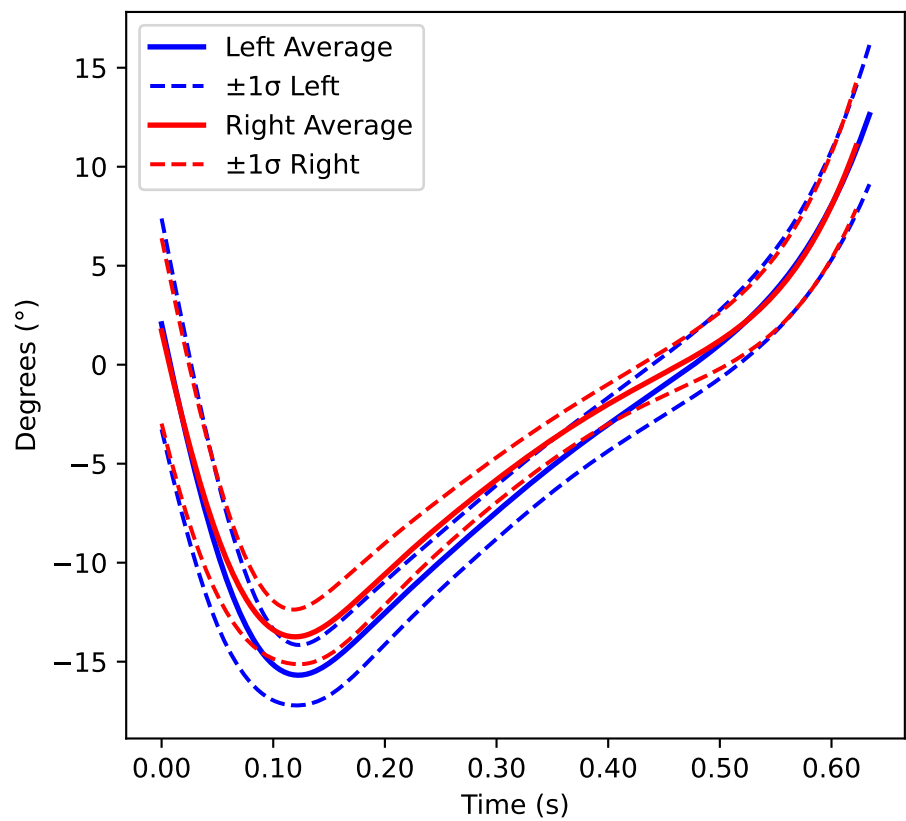
Vertical Force



	Left Median	Right Median
Peak 1 (BW)	1.19	1.21
Peak 2 (BW)	1.05	1.09
Valley (BW)	0.861	0.858
Impulse (BW·s)	0.520	0.510
Loading Rate (BW/s)	12.1	12.9
Unloading Rate (BW/s)	-7.83	-7.58

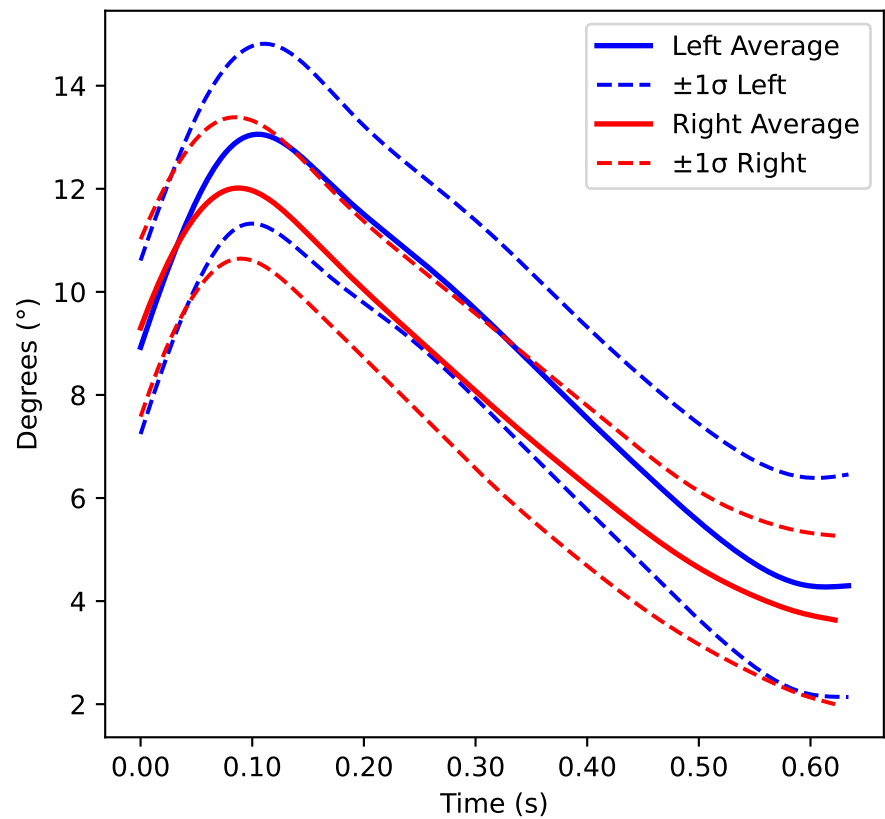
Walking Kinematic Information

Dorsiflexion



	Left Median	Right Median
Foot Strike (Deg)	2.19	1.65

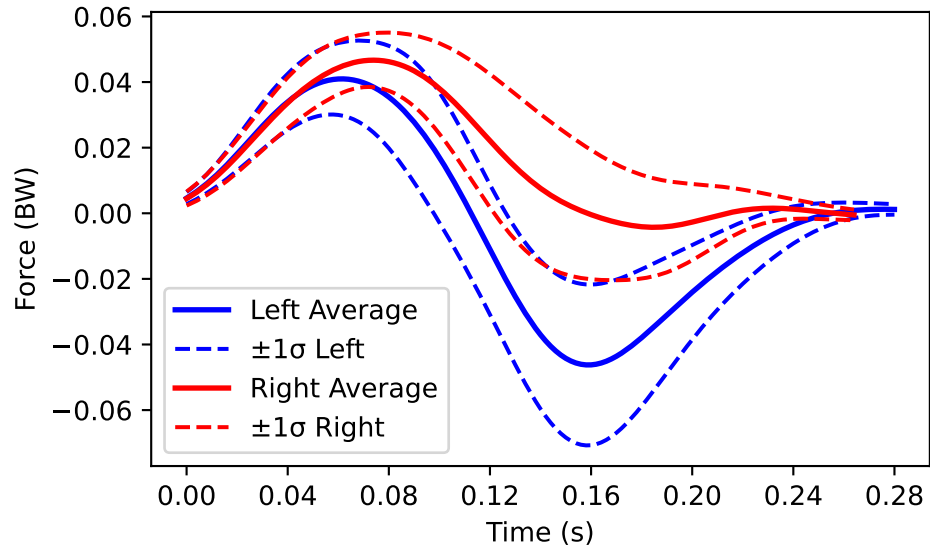
Inversion



	Left Median	Right Median
Foot Strike (Deg)	8.90	9.58

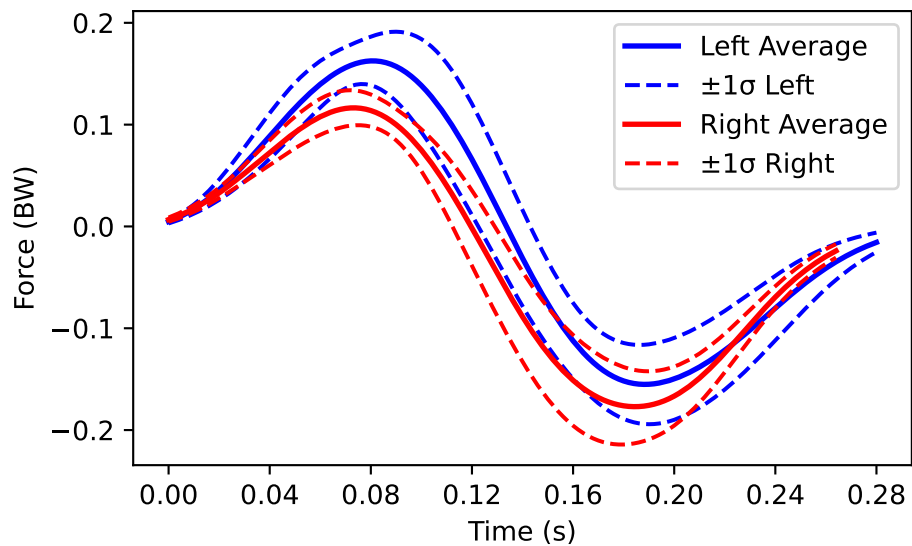
Running Information

Lateral Force



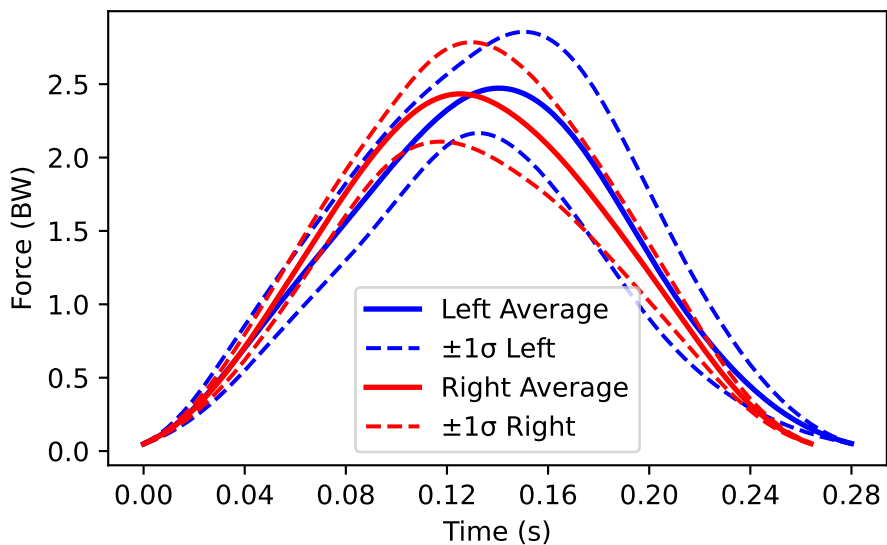
	Left Median	Right Median
Max Force (BW)	0.0441	0.0490
Impulse (BW·s)	-0.000169	0.00395

Anterior Force



	Left Median	Right Median
Peak Brake (BW)	0.170	0.119
Impulse Brake (BW·s)	0.0131	0.00837
Peak Propulsion (BW)	0.165	0.184
Impulse Propulsion (BW·s)	0.0138	0.0162
Total Impulse (BW·s)	0.000881	0.00790

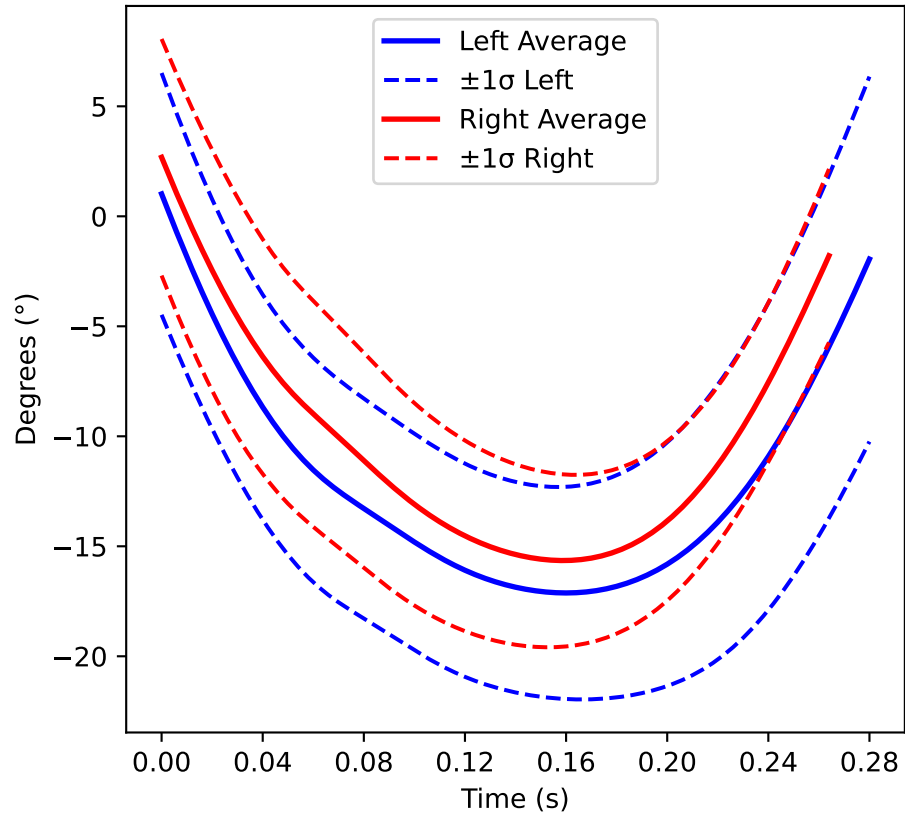
Vertical Force



	Left Median	Right Median
Peak 1 (BW)	2.58	2.40
Impulse (BW·s)	0.363	0.345
Loading Rate (BW/s)	21.1	23.9
Unloading Rate (BW/s)	-24.2	-22.4

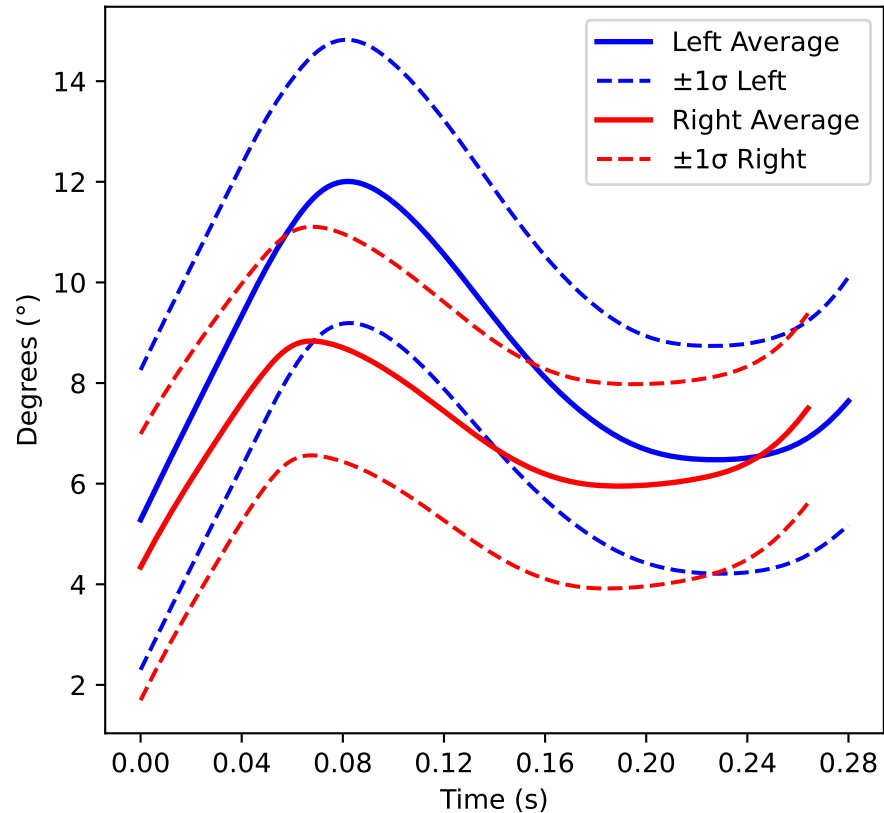
Running Kinematic Information

Dorsiflexion



	Left Median	Right Median
Foot Strike (Deg)	0.0229	2.74

Inversion



	Left Median	Right Median
Foot Strike (Deg)	5.54	4.56

Walking Symmetry Information

General

	Left Median	Right Median	Symmetry Index (%)
Ground Contact Time (ms)	638	626	-1.90

Lateral

	Left Median	Right Median	Symmetry Index (%)
Max Force (BW)	0.0977	0.0947	-3.12
Impulse (BW·s)	0.0297	0.0304	2.33

Anterior

	Left Median	Right Median	Symmetry Index (%)
Peak Brake (BW)	0.140	0.139	-0.717
Impulse Brake (BW·s)	0.0194	0.0194	0.0
Peak Propulsion (BW)	0.181	0.168	-7.45
Impulse Propulsion (BW·s)	0.0298	0.0282	-5.52
Total Impulse (BW·s)	0.0104	0.00871	-17.7

Vertical

	Left Median	Right Median	Symmetry Index (%)
Peak 1 (BW)	1.19	1.21	1.67
Peak 2 (BW)	1.05	1.09	3.74
Valley (BW)	0.861	0.858	-0.349
Impulse (BW·s)	0.520	0.510	-1.94
Loading Rate (BW/s)	12.1	12.9	6.40
Unloading Rate (BW/s)	-7.83	-7.58	-3.24

Dorsiflexion

	Left Median	Right Median	Symmetry Index (%)
Foot Strike (Deg)	2.19	1.65	-28.1

Inversion

	Left Median	Right Median	Symmetry Index (%)
Foot Strike (Deg)	8.90	9.58	7.36

Running Symmetry Information

General

	Left Median	Right Median	Symmetry Index (%)
Ground Contact Time (ms)	274	262	-4.48

Lateral

	Left Median	Right Median	Symmetry Index (%)
Max Force (BW)	0.0441	0.0490	10.5
Impulse (BW·s)	-0.000169	0.00395	218

Anterior

	Left Median	Right Median	Symmetry Index (%)
Peak Brake (BW)	0.170	0.119	-35.3
Impulse Brake (BW·s)	0.0131	0.00837	-44.1
Peak Propulsion (BW)	0.165	0.184	10.9
Impulse Propulsion (BW·s)	0.0138	0.0162	16.0
Total Impulse (BW·s)	0.000881	0.00790	160

Vertical

	Left Median	Right Median	Symmetry Index (%)
Peak 1 (BW)	2.58	2.40	-7.23
Impulse (BW·s)	0.363	0.345	-5.08
Loading Rate (BW/s)	21.1	23.9	12.4
Unloading Rate (BW/s)	-24.2	-22.4	-7.73

Dorsiflexion

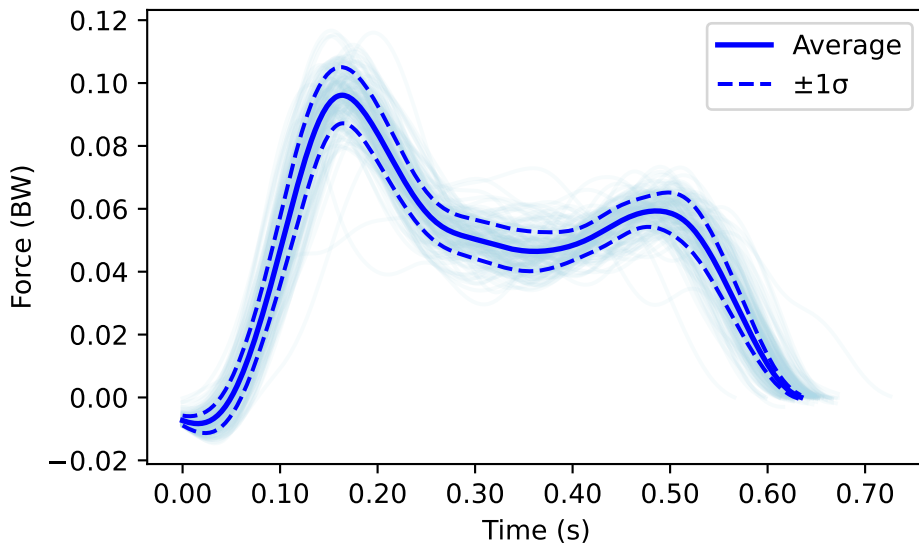
	Left Median	Right Median	Symmetry Index (%)
Foot Strike (Deg)	0.0229	2.74	197

Inversion

	Left Median	Right Median	Symmetry Index (%)
Foot Strike (Deg)	5.54	4.56	-19.4

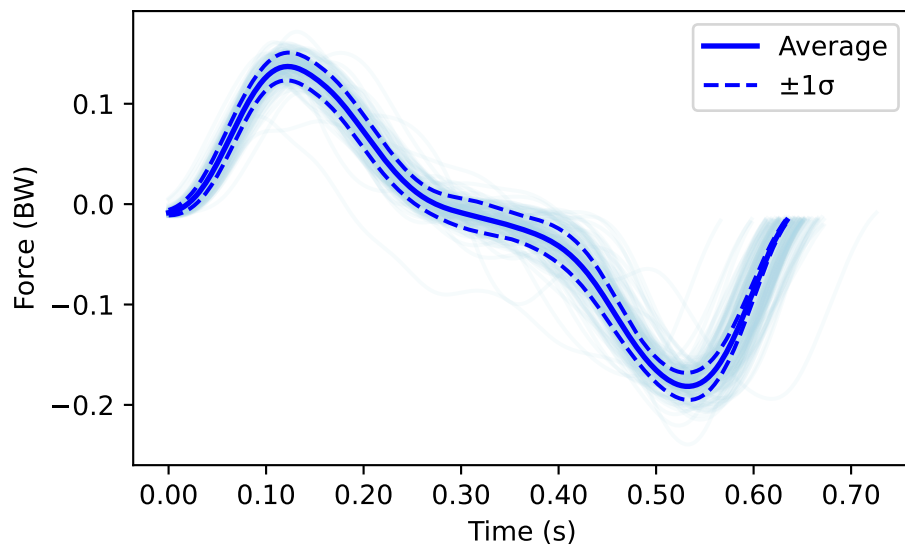
Left Walking Information

Lateral Force



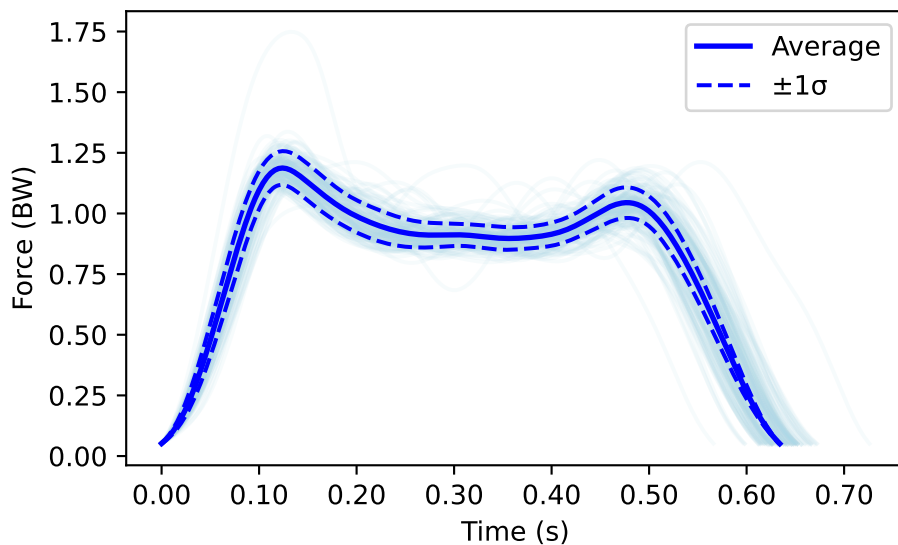
	Median	Standard Deviation
Max Force (BW)	0.0977	0.00815
Impulse (BW·s)	0.0297	0.00172

Anterior Force



	Median	Standard Deviation
Peak Brake (BW)	0.140	0.0127
Impulse Brake (BW·s)	0.0194	0.00179
Peak Propulsion (BW)	0.181	0.0135
Impulse Propulsion (BW·s)	0.0298	0.00305
Total Impulse (BW·s)	0.0104	0.00399

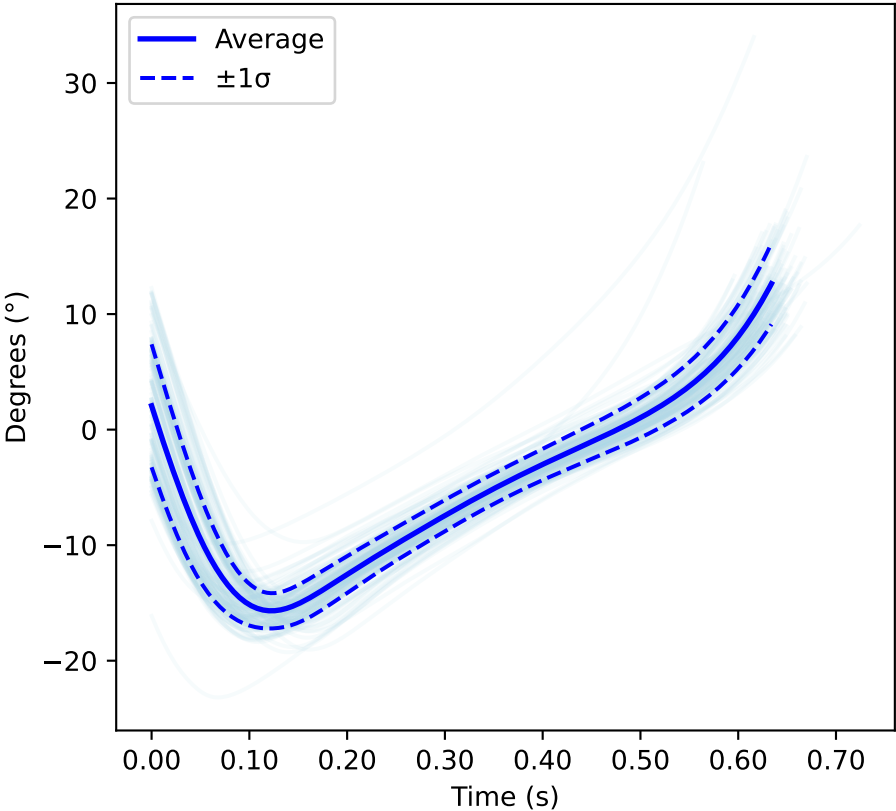
Vertical Force



	Median	Standard Deviation
Peak 1 (BW)	1.19	0.0689
Peak 2 (BW)	1.05	0.0600
Valley (BW)	0.861	0.0315
Impulse (BW·s)	0.520	0.0195
Loading Rate (BW/s)	12.1	1.13
Unloading Rate (BW/s)	-7.83	1.05

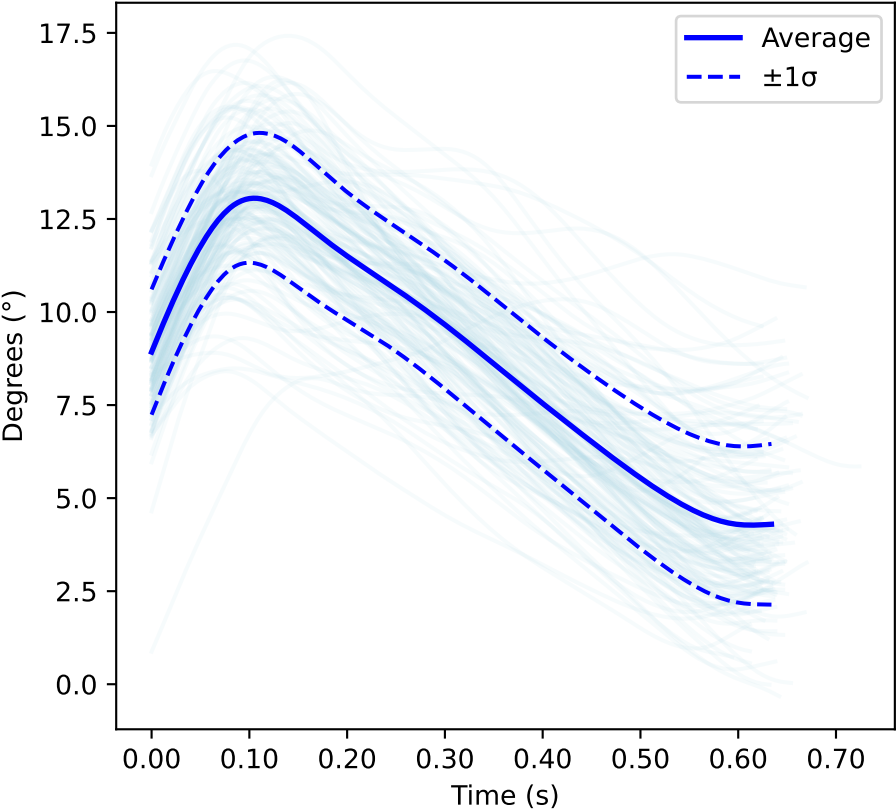
Left Walking Kinematic Information

Dorsiflexion



	Median	Standard Deviation
Foot Strike (Deg)	2.19	5.32

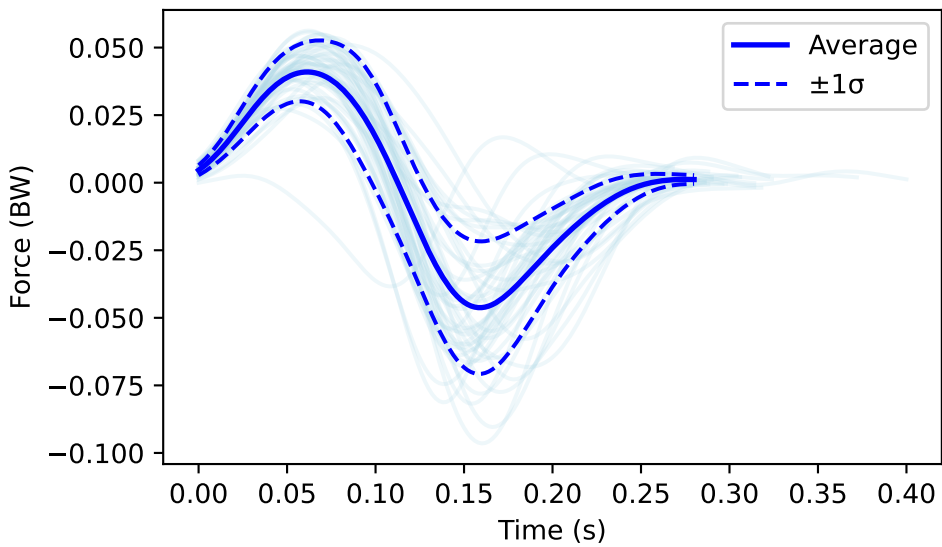
Inversion



	Median	Standard Deviation
Foot Strike (Deg)	8.90	1.68

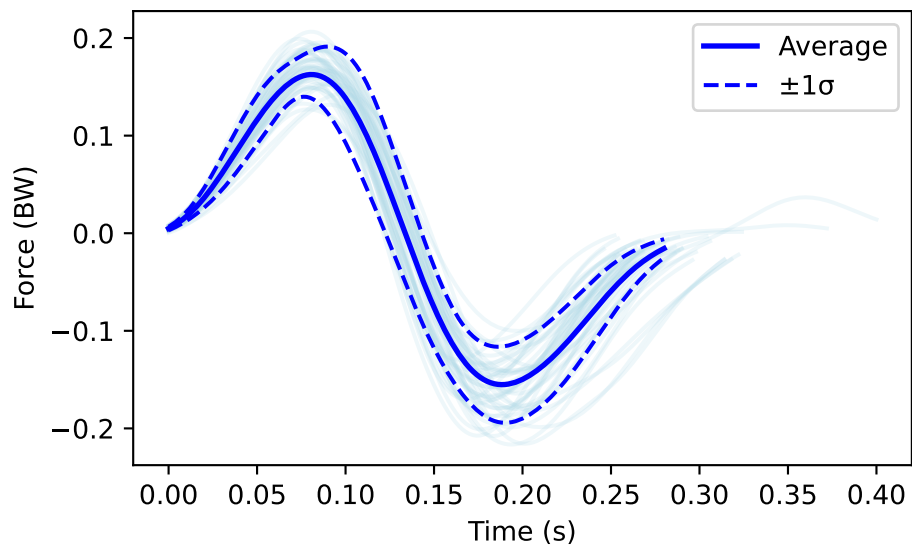
Left Running Information

Lateral Force



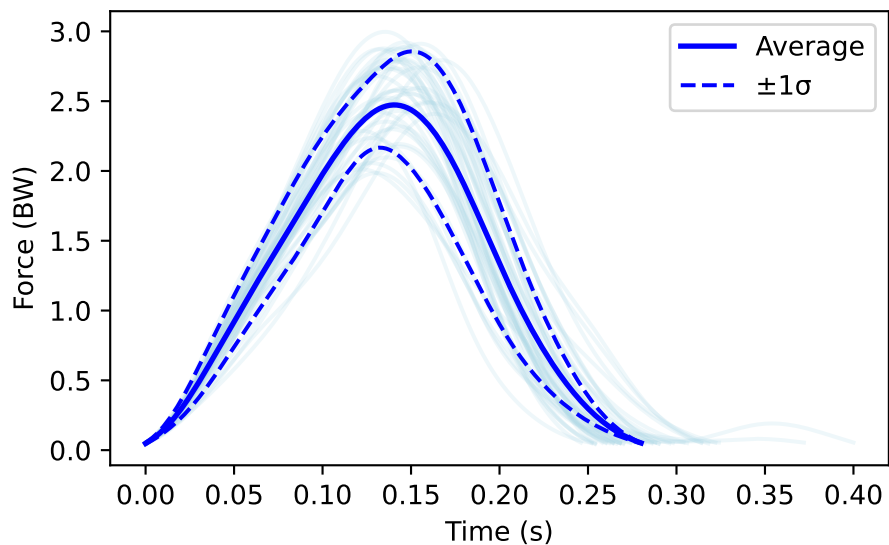
	Median	Standard Deviation
Max Force (BW)	0.0441	0.00840
Impulse (BW·s)	-0.000169	0.00174

Anterior Force



	Median	Standard Deviation
Peak Brake (BW)	0.170	0.0186
Impulse Brake (BW·s)	0.0131	0.00161
Peak Propulsion (BW)	0.165	0.0285
Impulse Propulsion (BW·s)	0.0138	0.00355
Total Impulse (BW·s)	0.000881	0.00330

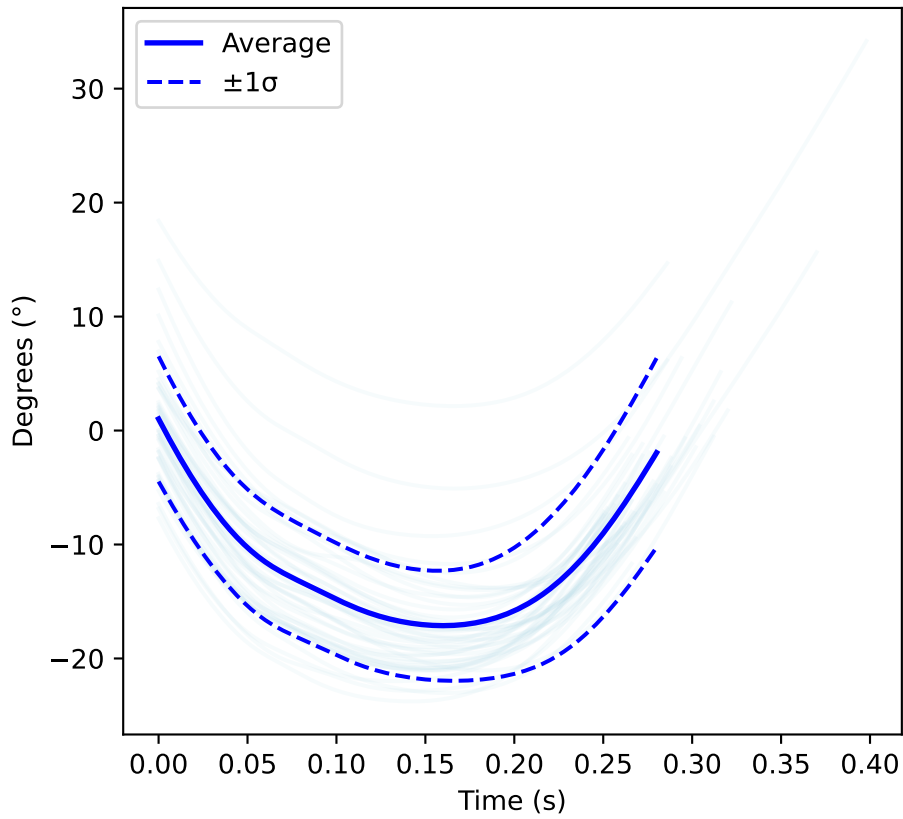
Vertical Force



	Median	Standard Deviation
Peak 1 (BW)	2.58	0.273
Impulse (BW·s)	0.363	0.0437
Loading Rate (BW/s)	21.1	2.69
Unloading Rate (BW/s)	-24.2	7.18

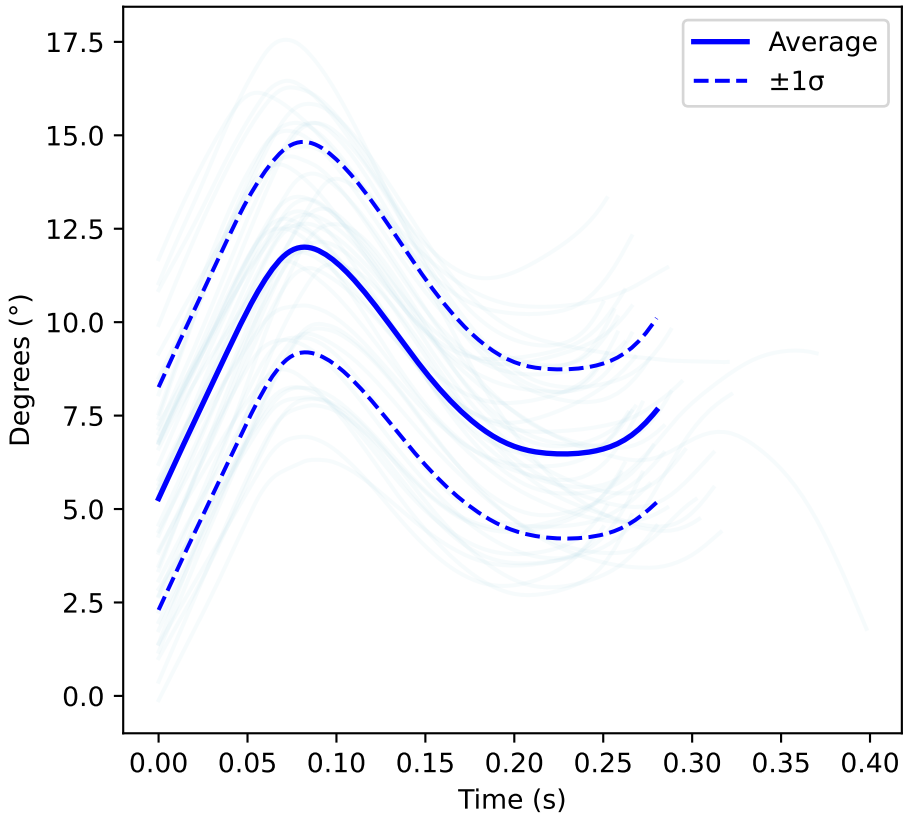
Left Running Kinematic Information

Dorsiflexion



	Median	Standard Deviation
Foot Strike (Deg)	0.0229	5.50

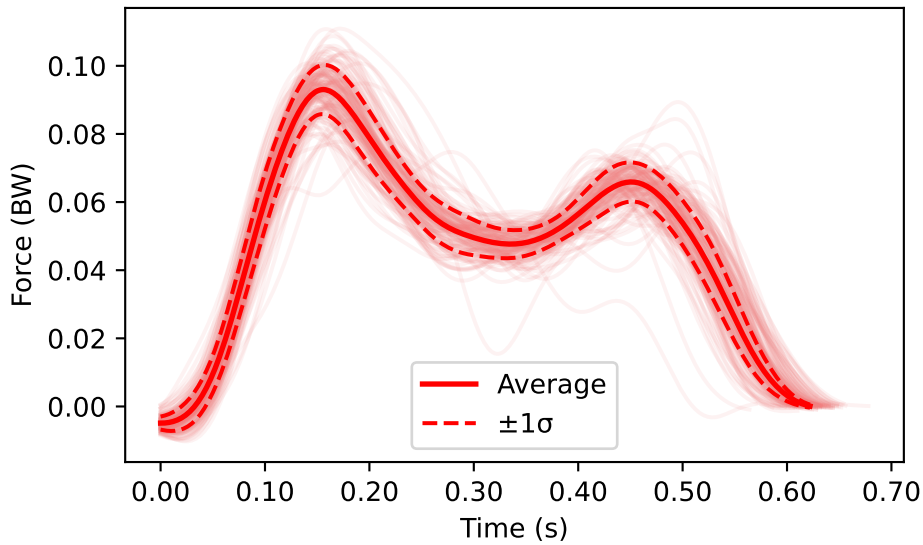
Inversion



	Median	Standard Deviation
Foot Strike (Deg)	5.54	2.98

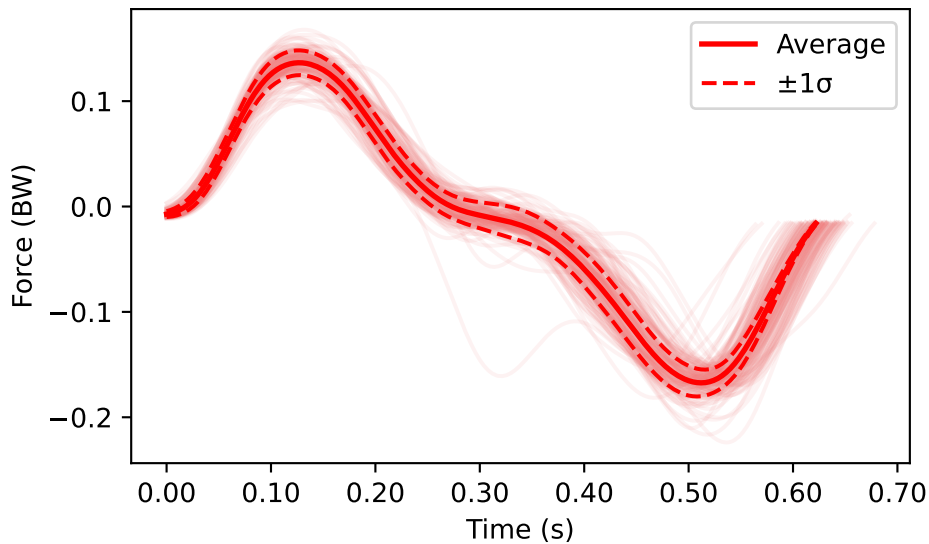
Right Walking Information

Lateral Force



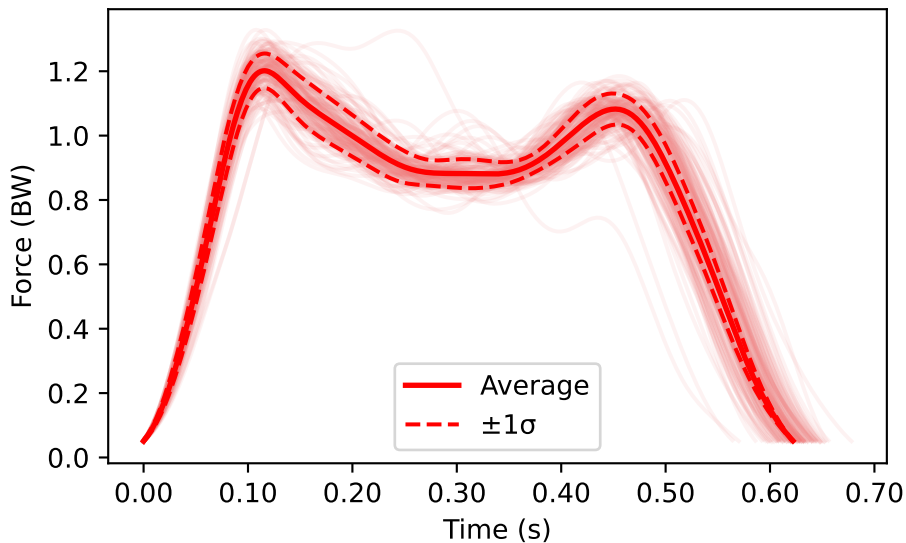
	Median	Standard Deviation
Max Force (BW)	0.0947	0.00686
Impulse (BW·s)	0.0304	0.00172

Anterior Force



	Median	Standard Deviation
Peak Brake (BW)	0.139	0.0115
Impulse Brake (BW·s)	0.0194	0.00180
Peak Propulsion (BW)	0.168	0.0126
Impulse Propulsion (BW·s)	0.0282	0.00258
Total Impulse (BW·s)	0.00871	0.00342

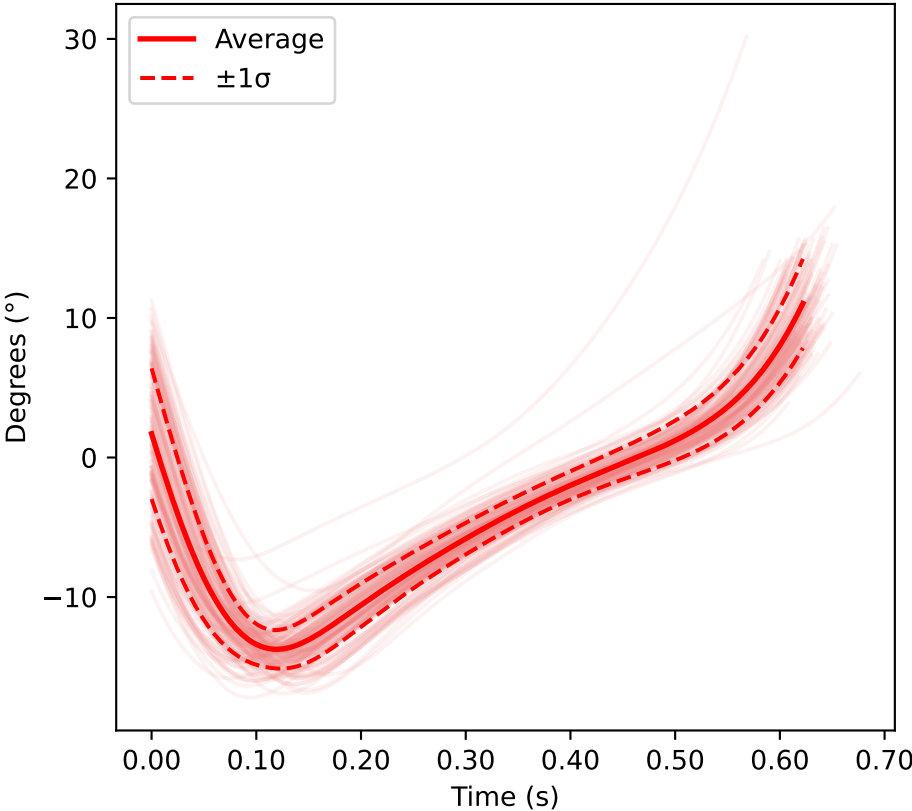
Vertical Force



	Median	Standard Deviation
Peak 1 (BW)	1.21	0.0523
Peak 2 (BW)	1.09	0.0461
Valley (BW)	0.858	0.0304
Impulse (BW·s)	0.510	0.0159
Loading Rate (BW/s)	12.9	1.11
Unloading Rate (BW/s)	-7.58	0.690

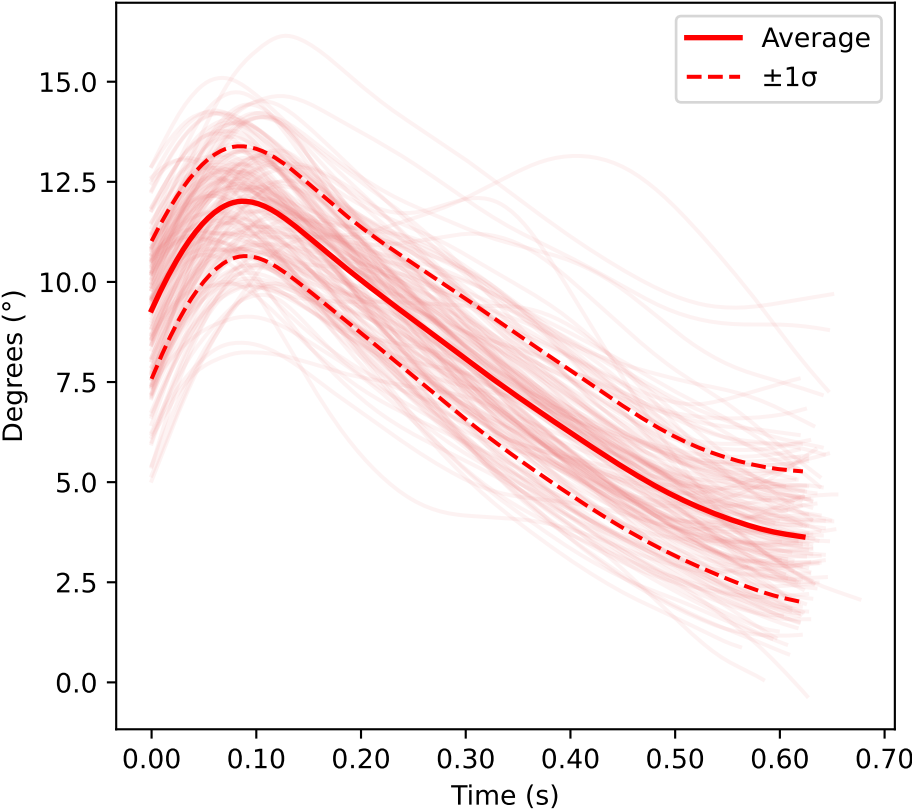
Right Walking Kinematic Information

Dorsiflexion



	Median	Standard Deviation
Foot Strike (Deg)	1.65	4.68

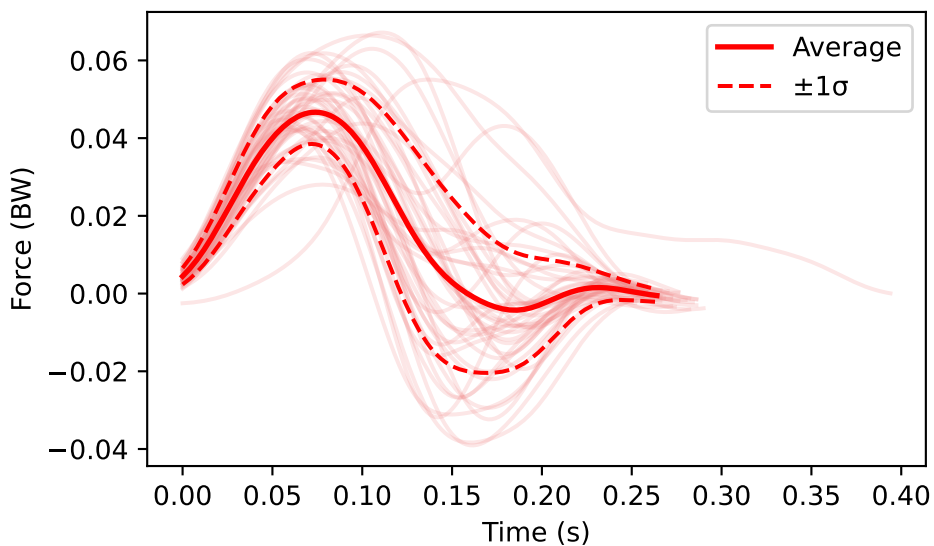
Inversion



	Median	Standard Deviation
Foot Strike (Deg)	9.58	1.72

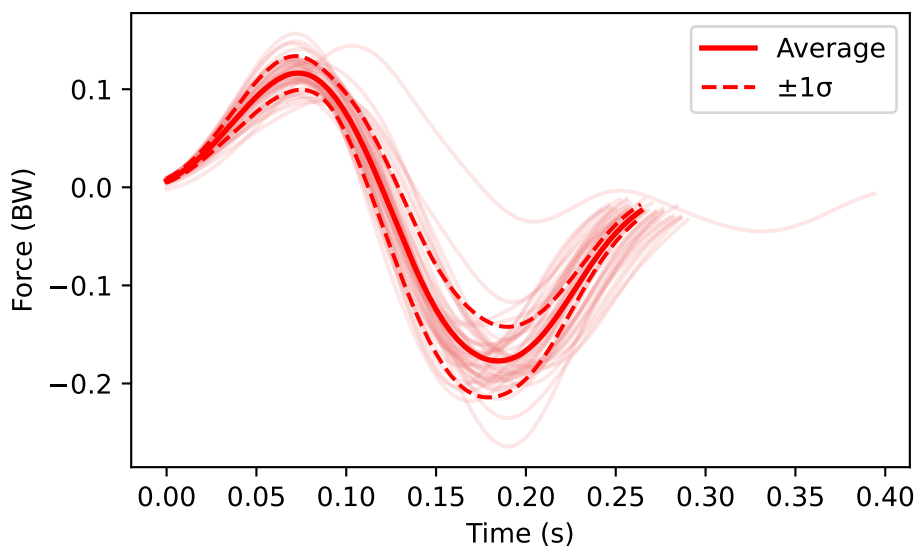
Right Running Information

Lateral Force



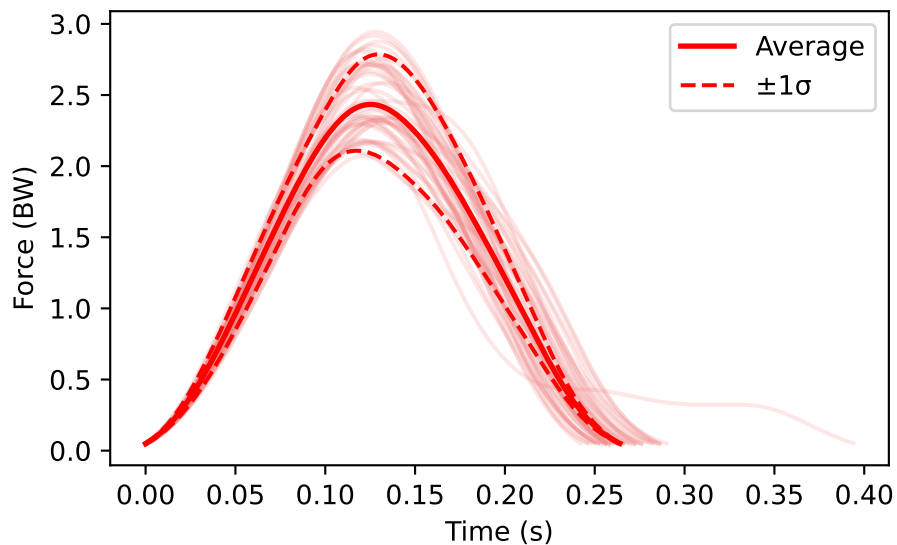
	Median	Standard Deviation
Max Force (BW)	0.0490	0.00869
Impulse (BW·s)	0.00395	0.00211

Anterior Force



	Median	Standard Deviation
Peak Brake (BW)	0.119	0.0163
Impulse Brake (BW·s)	0.00837	0.00124
Peak Propulsion (BW)	0.184	0.0324
Impulse Propulsion (BW·s)	0.0162	0.00368
Total Impulse (BW·s)	0.00790	0.00427

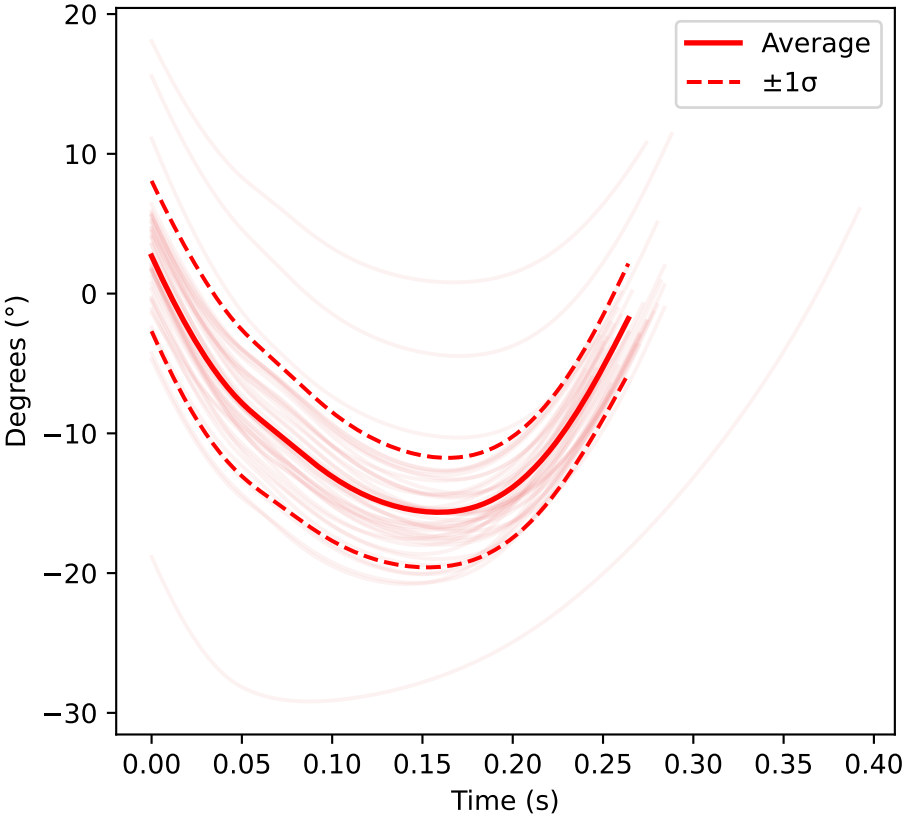
Vertical Force



	Median	Standard Deviation
Peak 1 (BW)	2.40	0.244
Impulse (BW·s)	0.345	0.0285
Loading Rate (BW/s)	23.9	2.70
Unloading Rate (BW/s)	-22.4	4.49

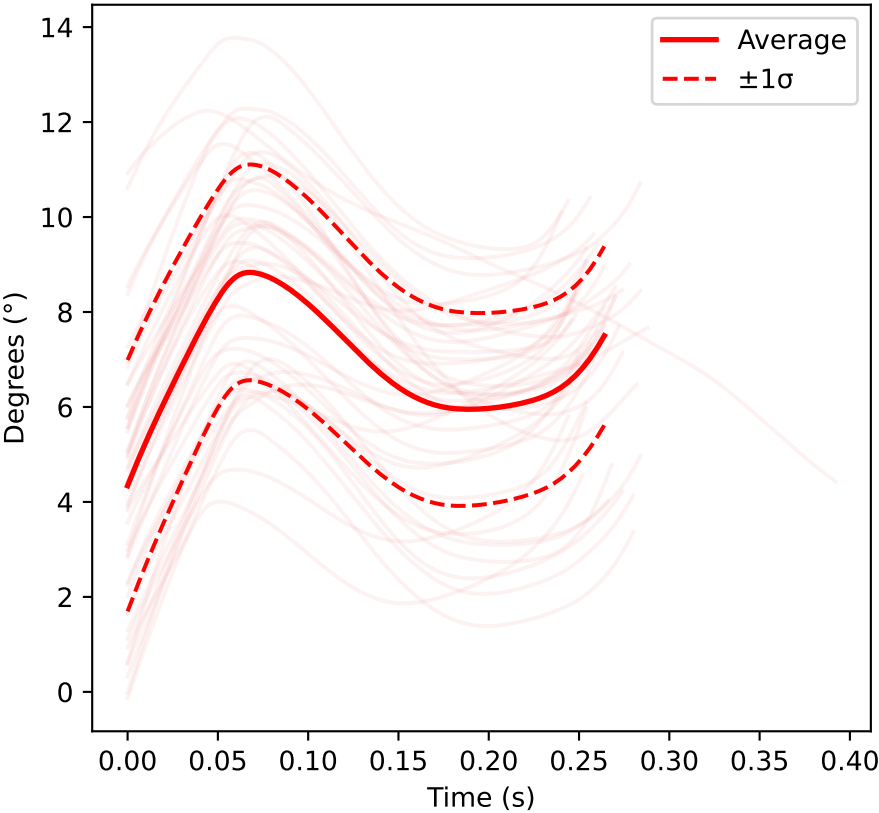
Right Running Kinematic Information

Dorsiflexion



	Median	Standard Deviation
Foot Strike (Deg)	2.74	5.38

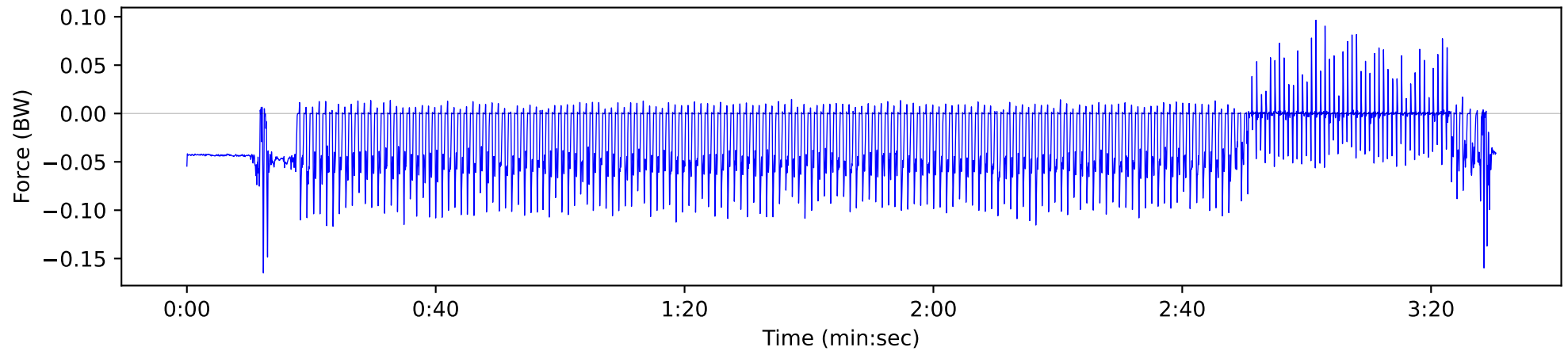
Inversion



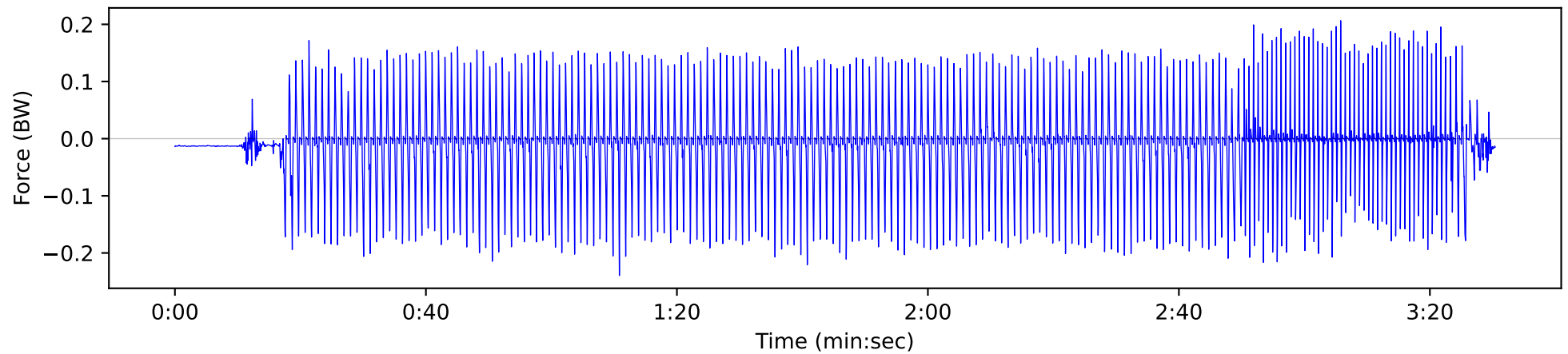
	Median	Standard Deviation
Foot Strike (Deg)	4.56	2.65

Left Ground Reaction Forces

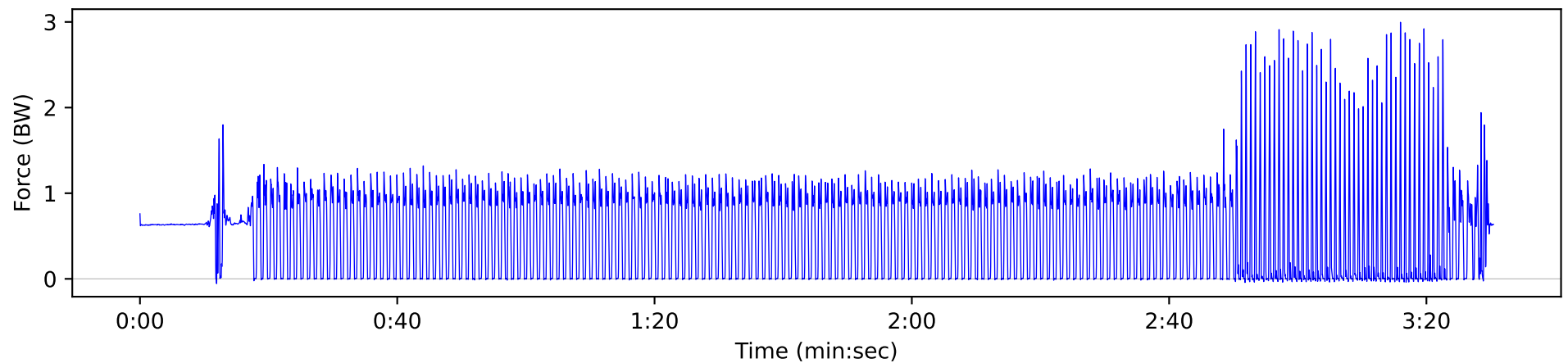
Lateral



Anterior

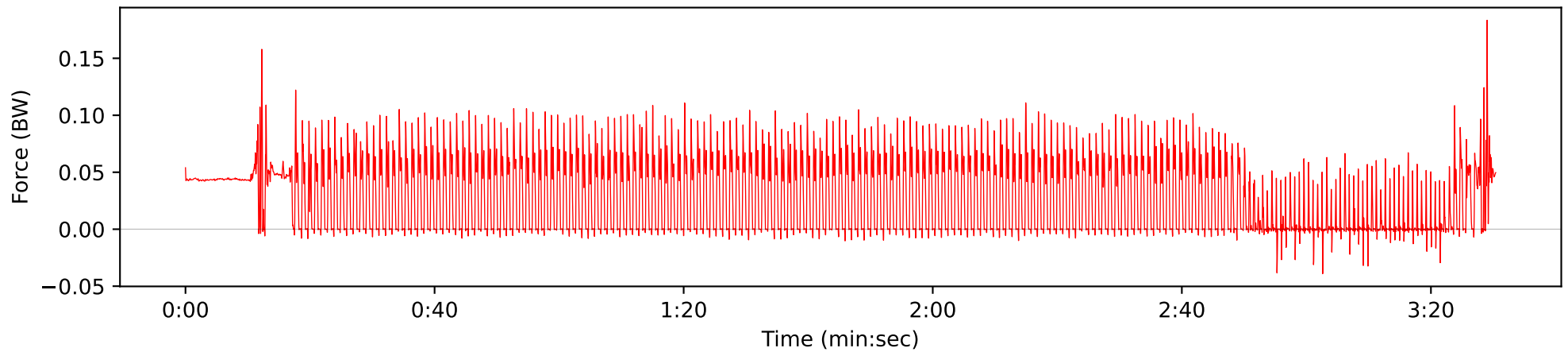


Vertical

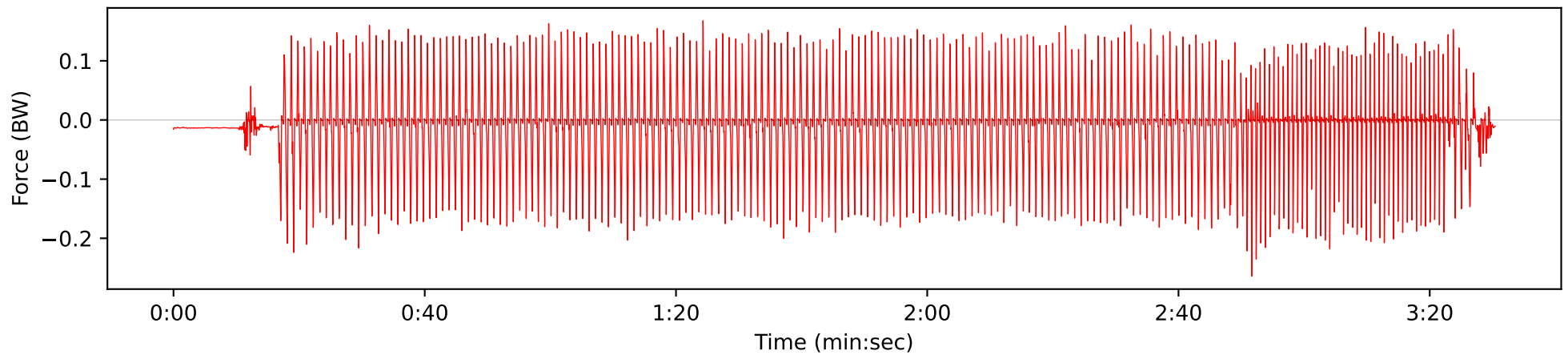


Right Ground Reaction Forces

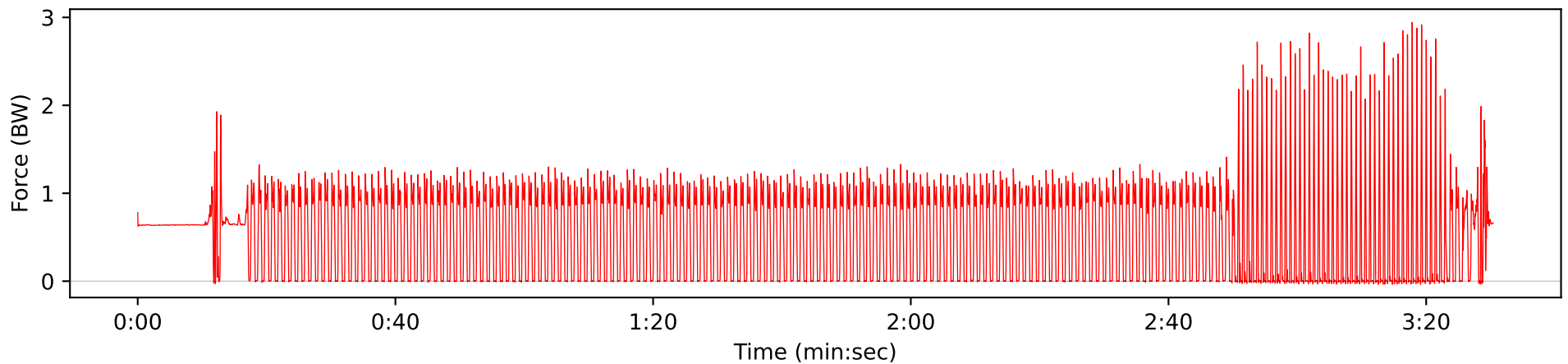
Lateral



Anterior

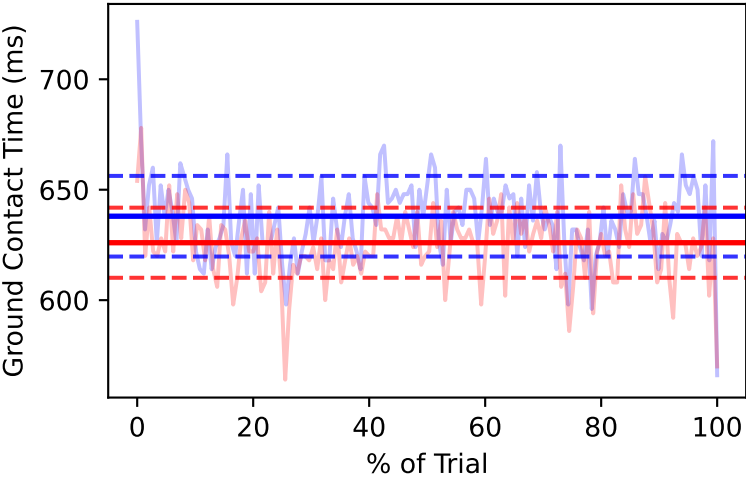


Vertical

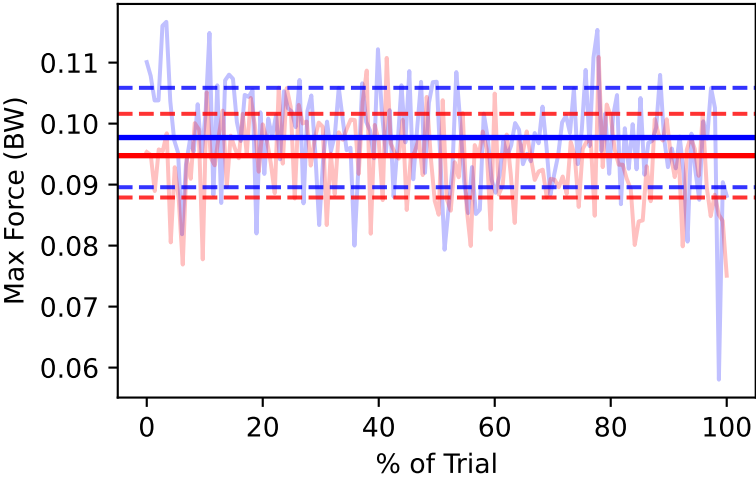


Advanced Walking Information

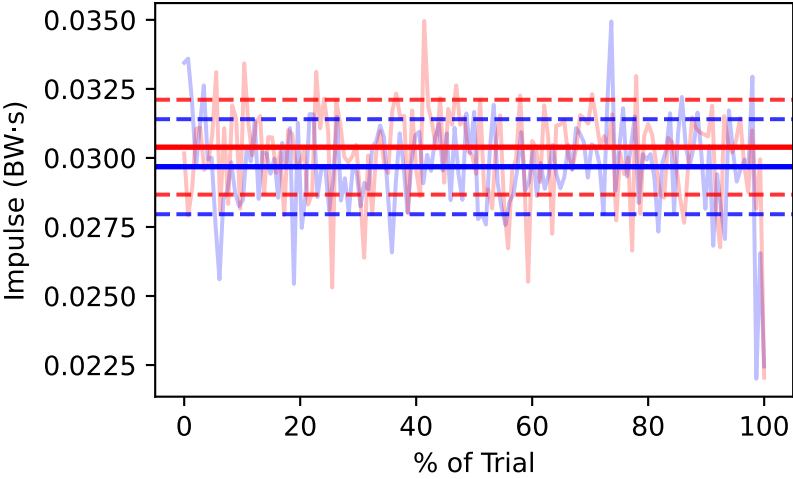
Ground Contact Time



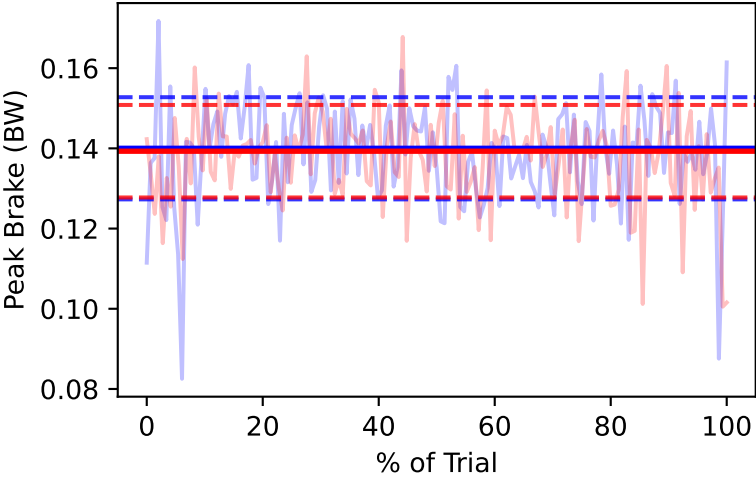
Mediolateral Max Force



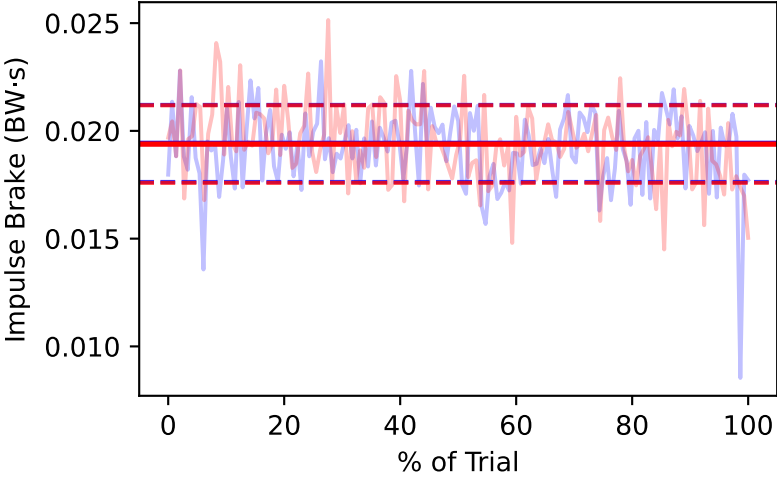
Mediolateral Impulse



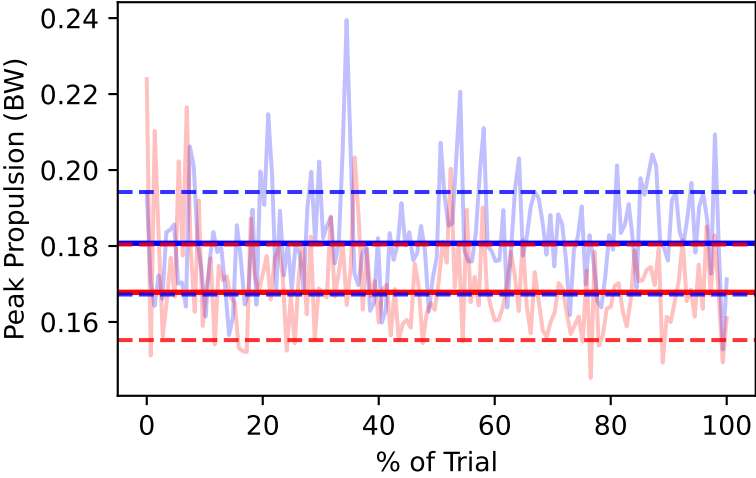
Anteroposterior Peak Brake



Anteroposterior Impulse Brake



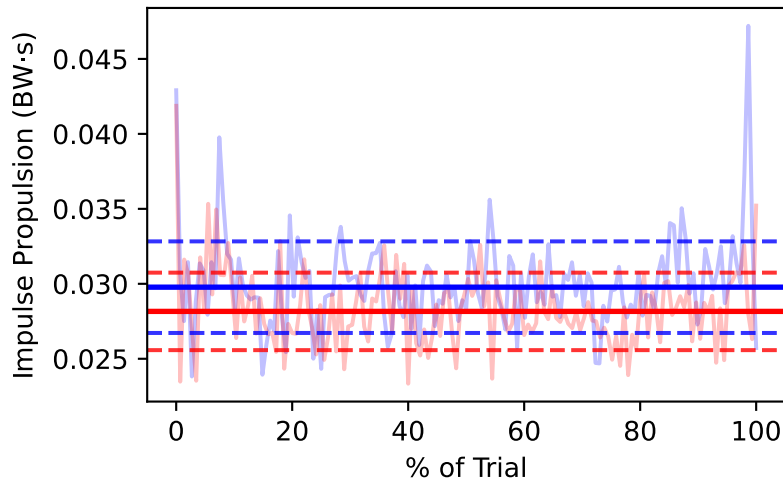
Anteroposterior Peak Propulsion



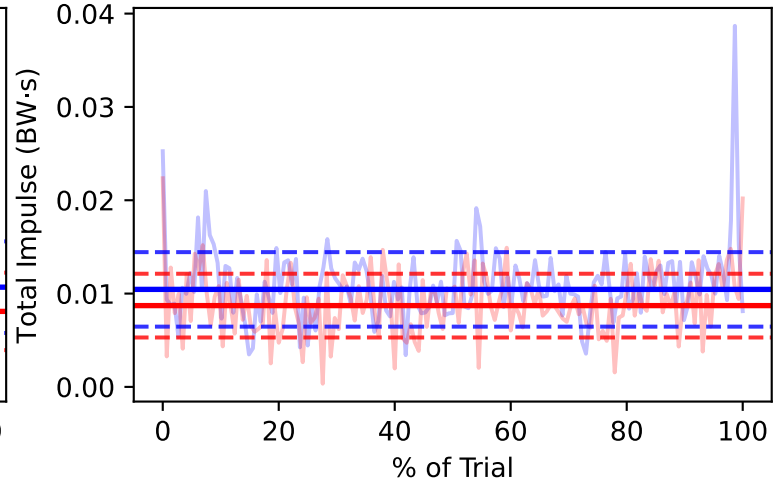
Left Values Right Values Left Median Right Median $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Walking Information

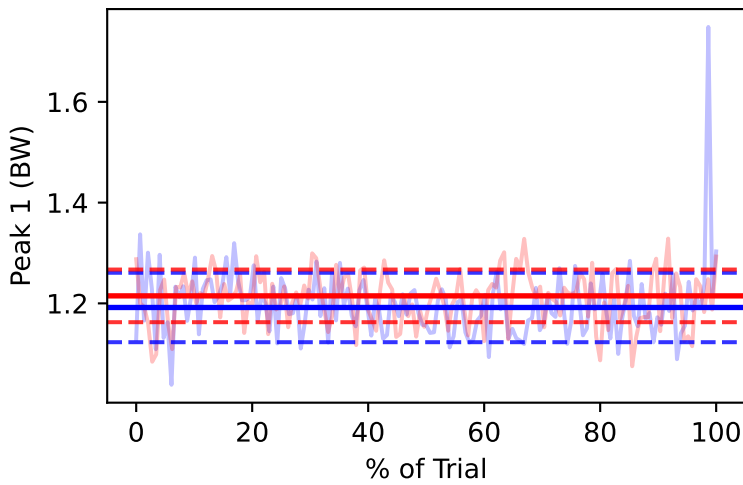
Anteroposterior Impulse Propulsion



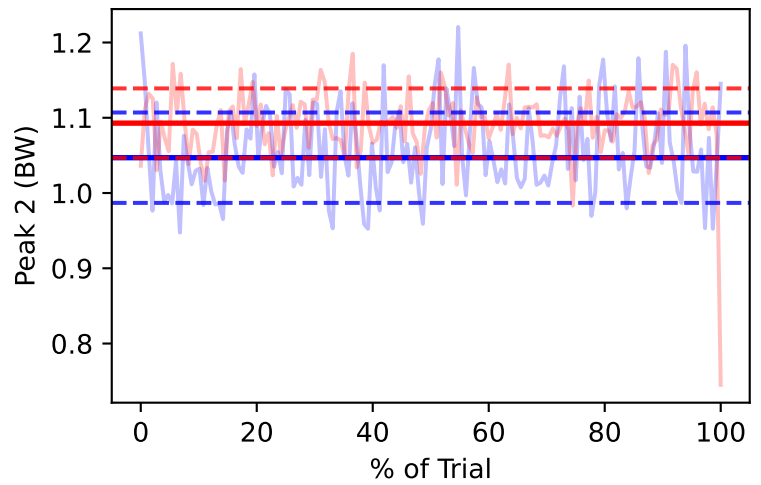
Anteroposterior Total Impulse



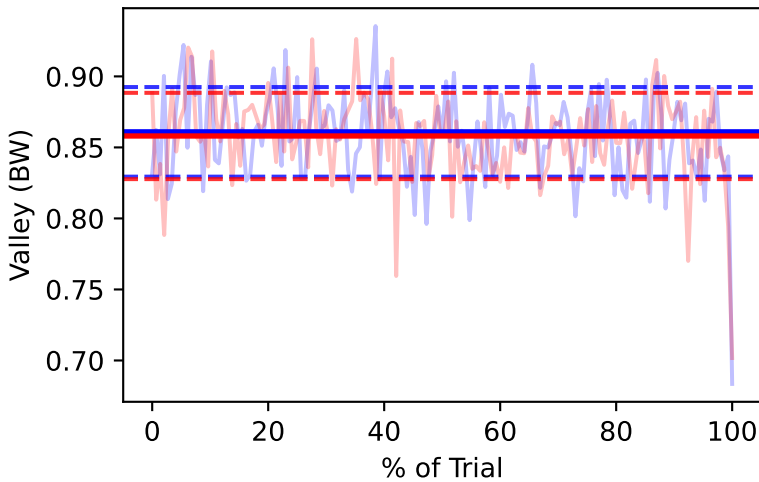
Vertical Peak 1



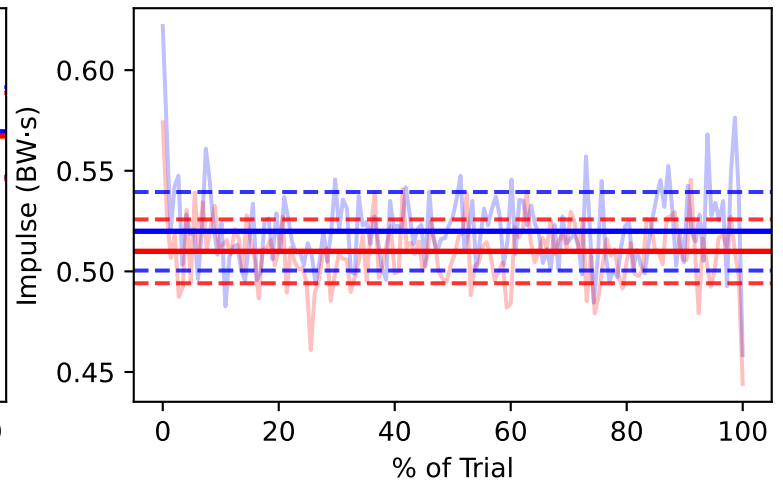
Vertical Peak 2



Vertical Valley



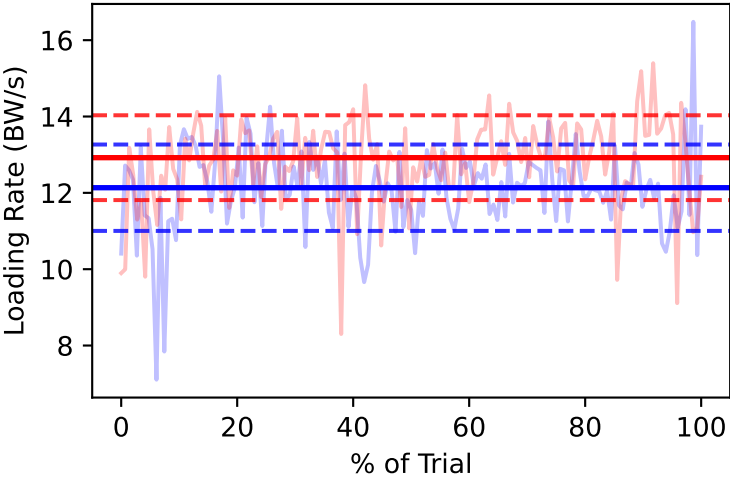
Vertical Impulse



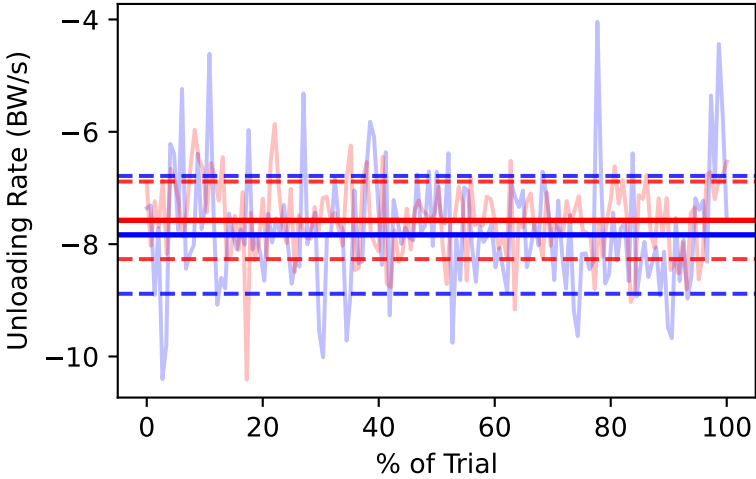
Left Values Right Values Left Median Right Median $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Walking Information

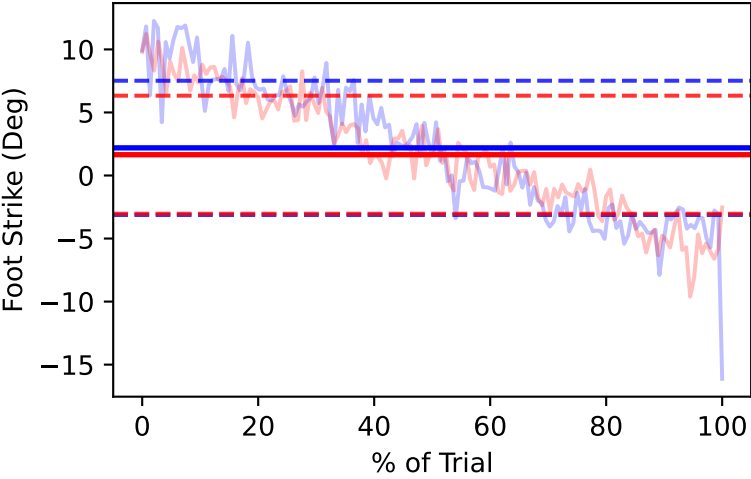
Vertical Loading Rate



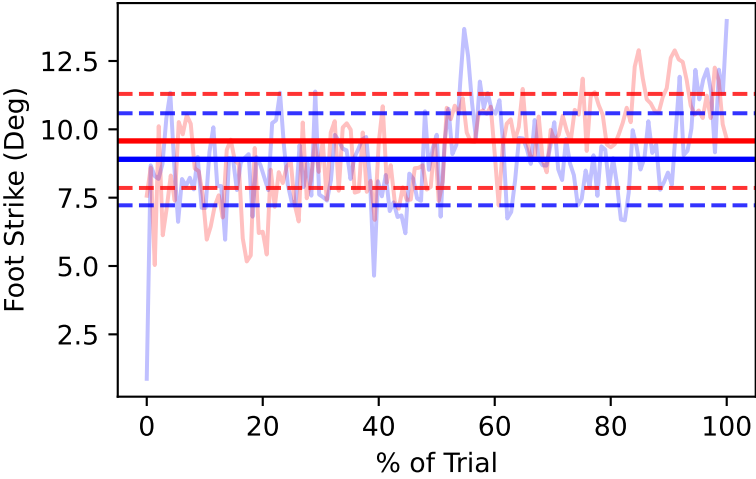
Vertical Unloading Rate



Dorsiflexion Foot Strike



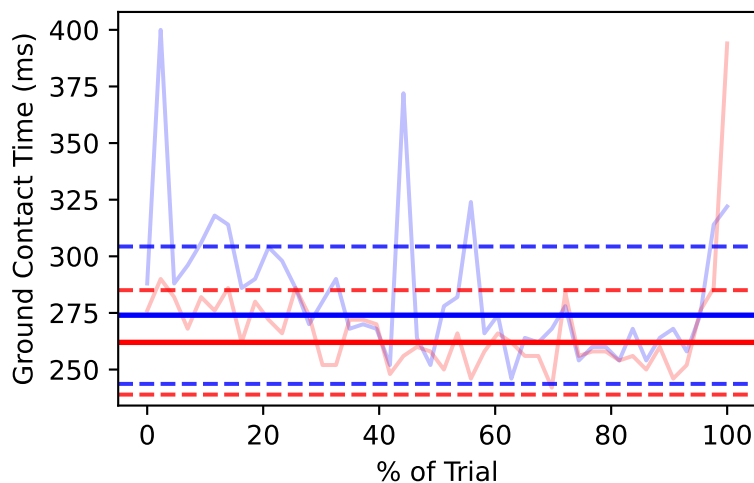
Inversion Foot Strike



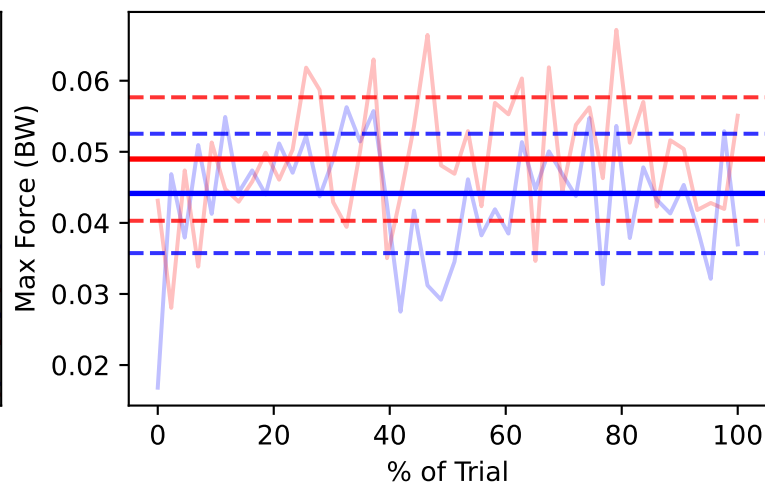
Left Values Right Values Left Median Right Median $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Running Information

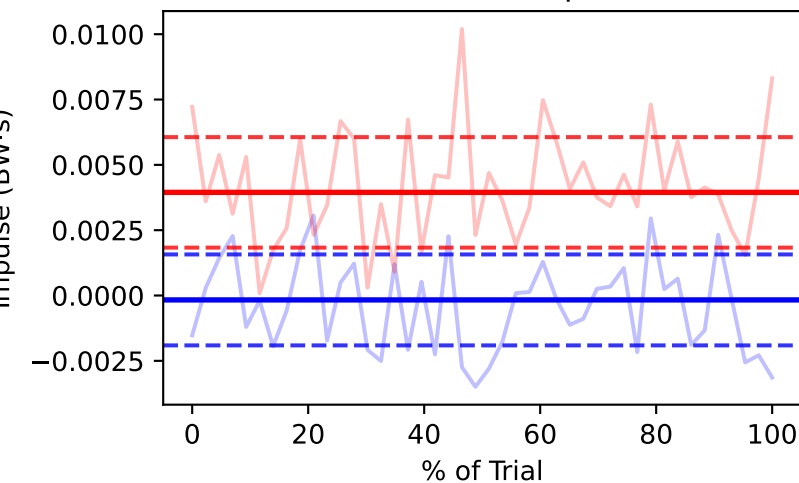
Ground Contact Time



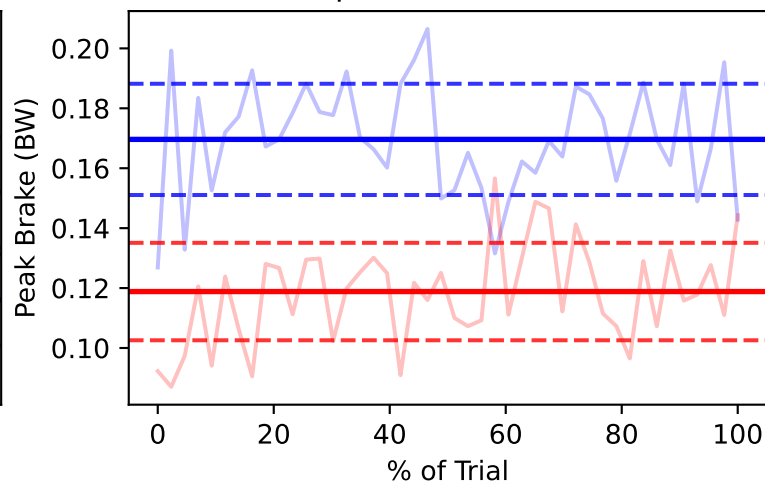
Mediolateral Max Force



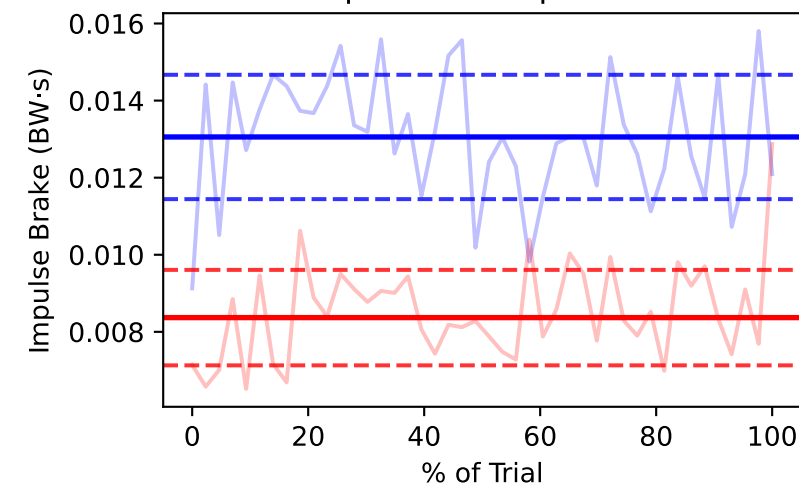
Mediolateral Impulse



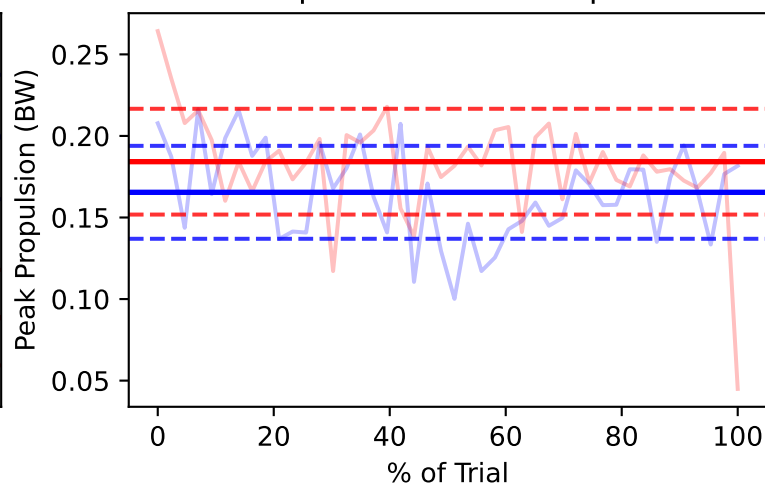
Anteroposterior Peak Brake



Anteroposterior Impulse Brake



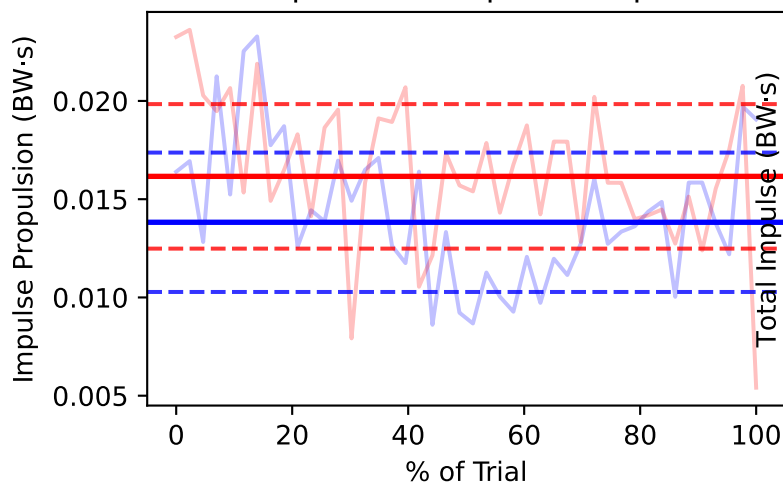
Anteroposterior Peak Propulsion



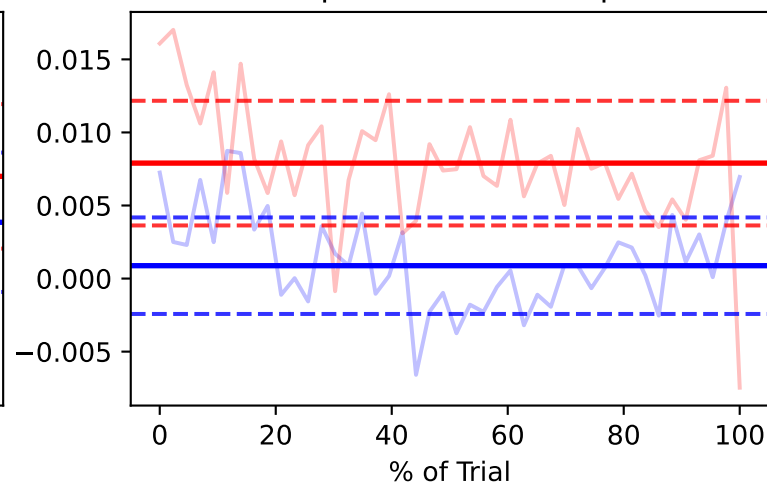
— Left Values — Right Values — Left Median — Right Median - - - $\pm 1\sigma$ Left - - - $\pm 1\sigma$ Right

Advanced Running Information

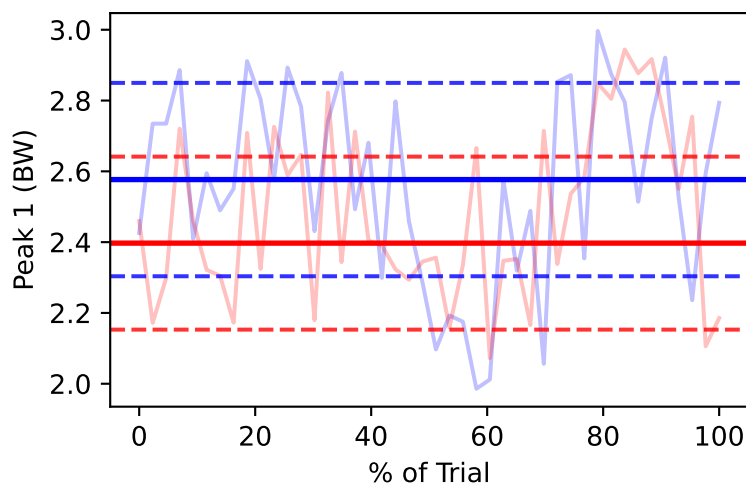
Anteroposterior Impulse Propulsion



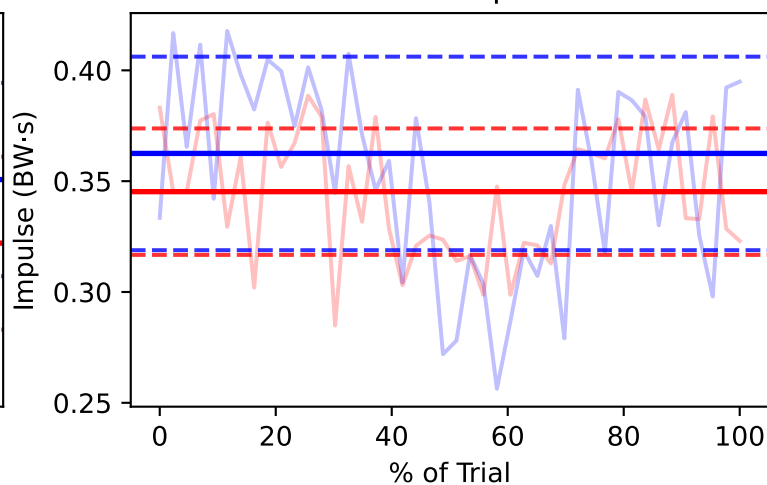
Anteroposterior Total Impulse



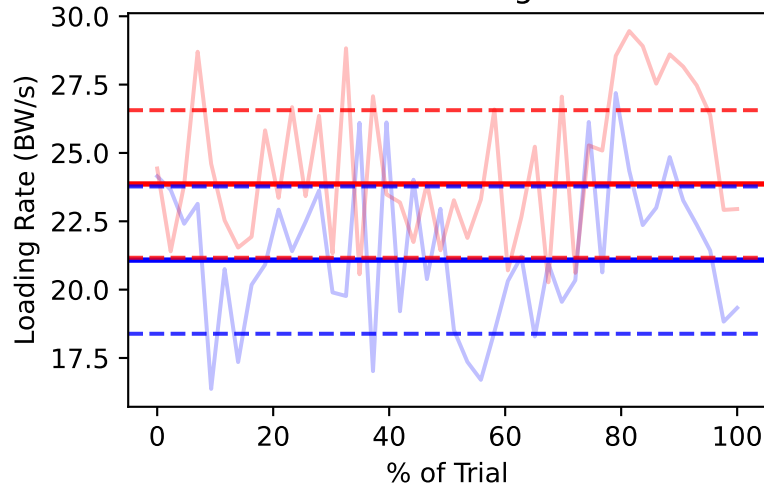
Vertical Peak 1



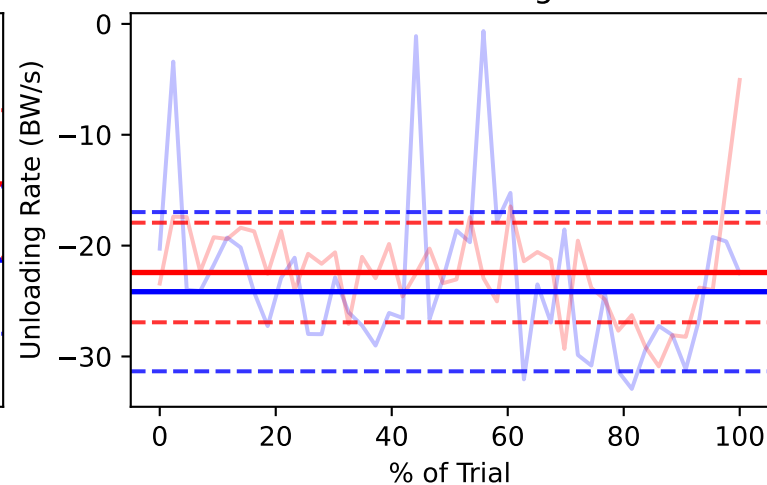
Vertical Impulse



Vertical Loading Rate



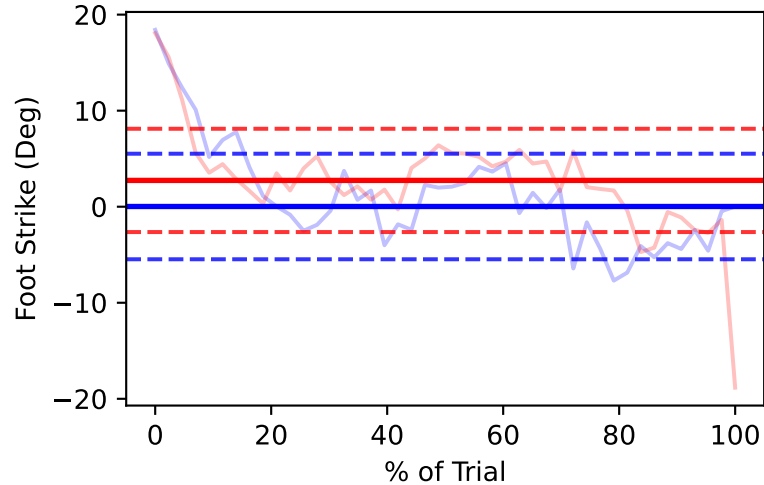
Vertical Unloading Rate



Left Values Right Values Left Median Right Median $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Running Information

Dorsiflexion Foot Strike



Inversion Foot Strike

