

User 56

XO-SOLE Data

Gait Analysis

User Information

User Height	User Age	User Sex	User Weight
167.64 cm	25	Female	55.34 kg

Insole Information

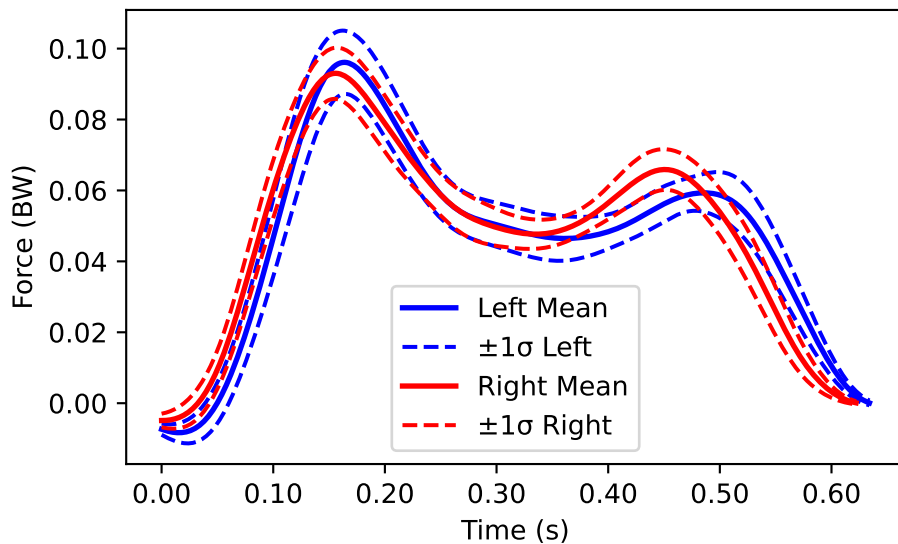
	Mac Address	Size
Left	e62d851549c0	S
Right	e3b55a458fdc	S

Test Summary

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

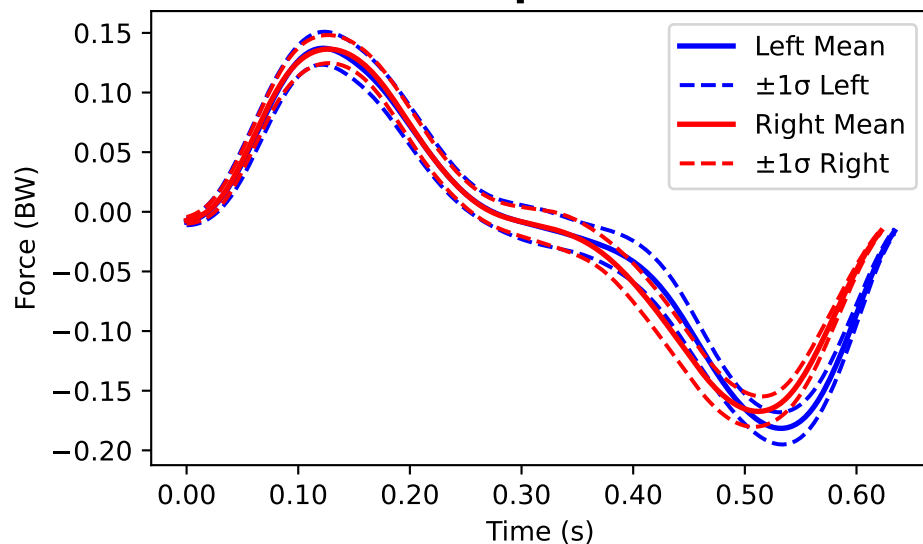
Walking Information

Mediolateral



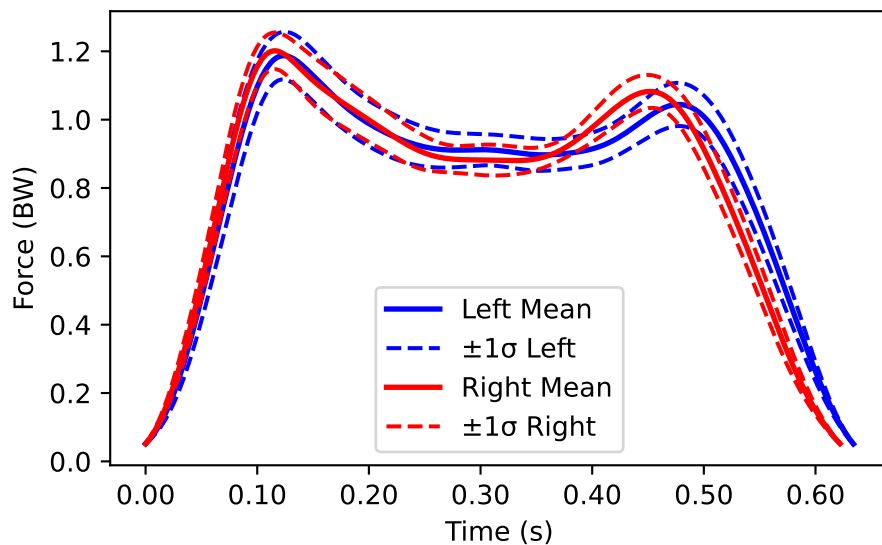
	Left Mean	Right Mean
Max Force (BW)	0.0977	0.0940
Impulse (BW·s)	0.0296	0.0302

Anteroposterior



	Left Mean	Right Mean
Peak Brake (BW)	0.139	0.138
Impulse Brake (BW·s)	0.0192	0.0194
Peak Propulsion (BW)	0.183	0.169
Impulse Propulsion (BW·s)	0.0300	0.0283
Total Impulse (BW·s)	0.0110	0.00896

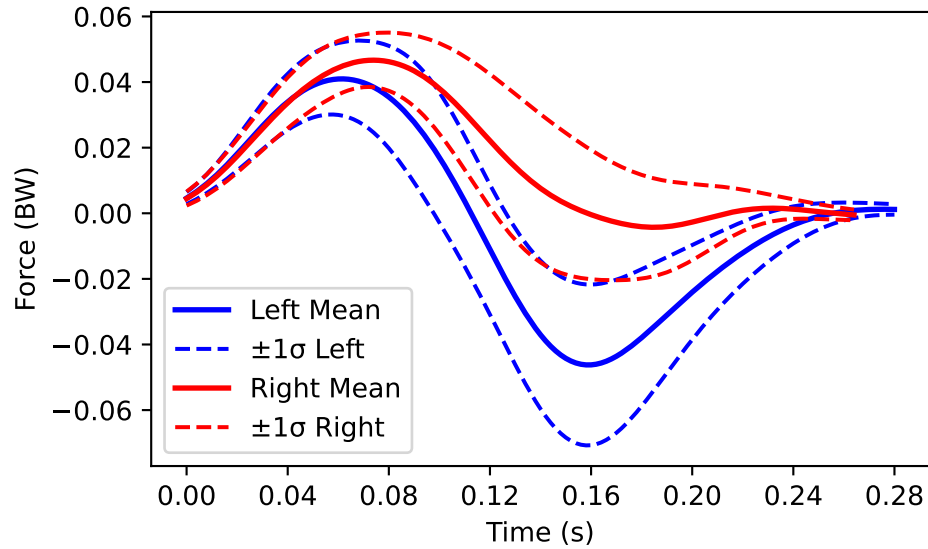
Vertical



	Left Mean	Right Mean
Peak 1 (BW)	1.20	1.21
Peak 2 (BW)	1.06	1.09
Valley (BW)	0.859	0.857
Impulse (BW·s)	0.521	0.509
Loading Rate (BW/s)	12.1	12.8
Unloading Rate (BW/s)	-7.78	-7.56

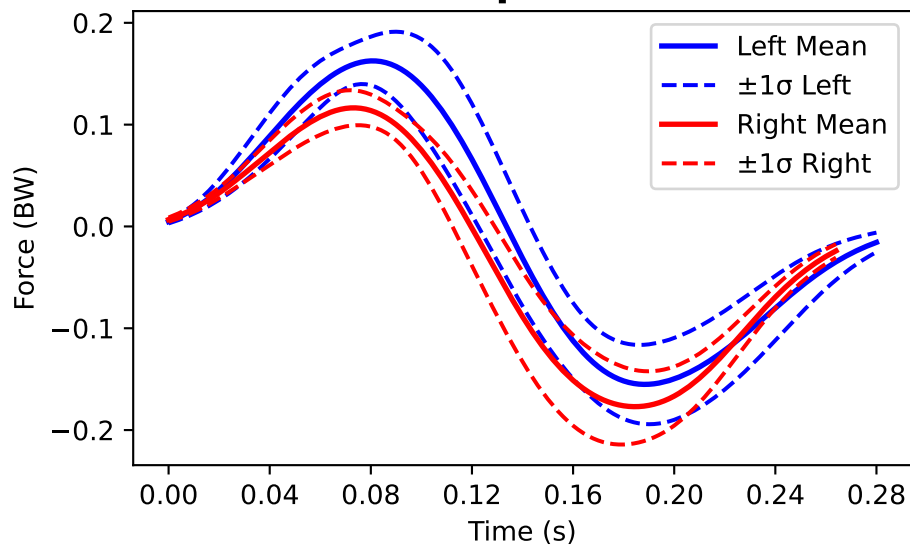
Running Information

Mediolateral



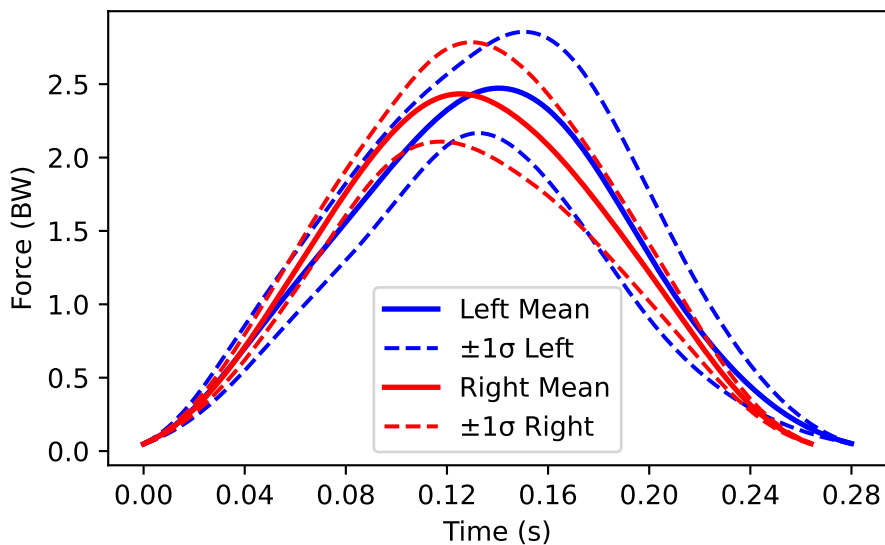
	Left Mean	Right Mean
Max Force (BW)	0.0435	0.0491
Impulse (BW·s)	-0.000426	0.00421

Anteroposterior



	Left Mean	Right Mean
Peak Brake (BW)	0.170	0.118
Impulse Brake (BW·s)	0.0130	0.00852
Peak Propulsion (BW)	0.164	0.183
Impulse Propulsion (BW·s)	0.0144	0.0165
Total Impulse (BW·s)	0.00129	0.00793

Vertical



	Left Mean	Right Mean
Peak 1 (BW)	2.56	2.48
Impulse (BW·s)	0.353	0.345
Loading Rate (BW/s)	21.4	24.5
Unloading Rate (BW/s)	-23.2	-22.0

Walking Symmetry Information

General

	Left Mean	Right Mean	Symmetry Index (%)
Ground Contact Time (ms)	637	625	-1.90

Mediolateral

	Left Mean	Right Mean	Symmetry Index (%)
Max Force (BW)	0.0977	0.0940	-3.86
Impulse (BW·s)	0.0296	0.0302	2.01

Anteroposterior

	Left Mean	Right Mean	Symmetry Index (%)
Peak Brake (BW)	0.139	0.138	-0.722
Impulse Brake (BW·s)	0.0192	0.0194	1.04
Peak Propulsion (BW)	0.183	0.169	-7.95
Impulse Propulsion (BW·s)	0.0300	0.0283	-5.83
Total Impulse (BW·s)	0.0110	0.00896	-20.4

Vertical

	Left Mean	Right Mean	Symmetry Index (%)
Peak 1 (BW)	1.20	1.21	0.830
Peak 2 (BW)	1.06	1.09	2.79
Valley (BW)	0.859	0.857	-0.233
Impulse (BW·s)	0.521	0.509	-2.33
Loading Rate (BW/s)	12.1	12.8	5.62
Unloading Rate (BW/s)	-7.78	-7.56	-2.87

Running Symmetry Information

General

	Left Mean	Right Mean	Symmetry Index (%)
Ground Contact Time (ms)	283	268	-5.44

Mediolateral

	Left Mean	Right Mean	Symmetry Index (%)
Max Force (BW)	0.0435	0.0491	12.1
Impulse (BW·s)	-0.000426	0.00421	245

Anteroposterior

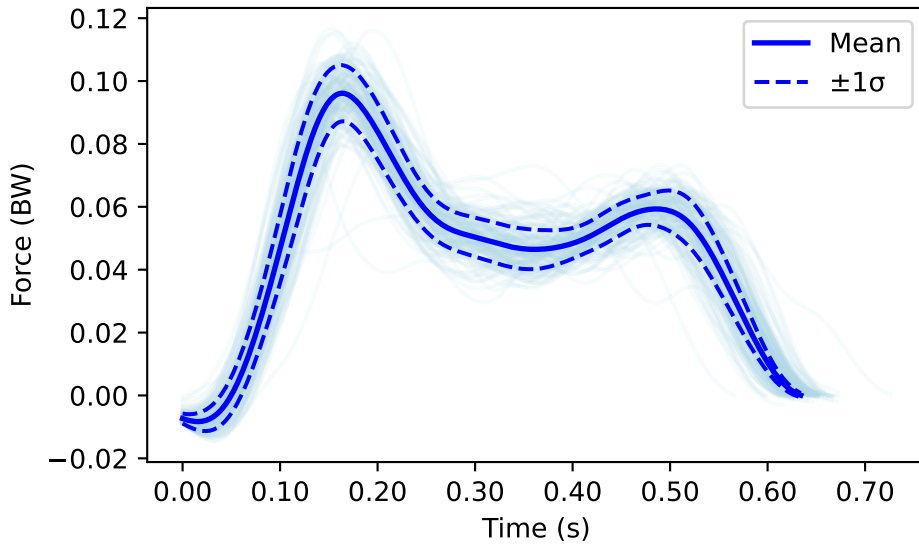
	Left Mean	Right Mean	Symmetry Index (%)
Peak Brake (BW)	0.170	0.118	-36.1
Impulse Brake (BW·s)	0.0130	0.00852	-41.6
Peak Propulsion (BW)	0.164	0.183	11.0
Impulse Propulsion (BW·s)	0.0144	0.0165	13.6
Total Impulse (BW·s)	0.00129	0.00793	144

Vertical

	Left Mean	Right Mean	Symmetry Index (%)
Peak 1 (BW)	2.56	2.48	-3.17
Impulse (BW·s)	0.353	0.345	-2.29
Loading Rate (BW/s)	21.4	24.5	13.5
Unloading Rate (BW/s)	-23.2	-22.0	-5.31

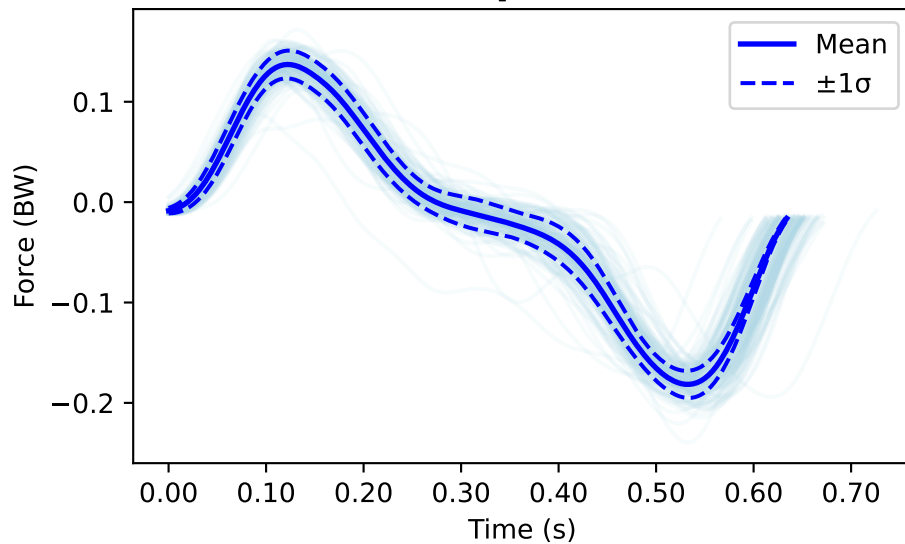
Left Walking Information

Mediolateral



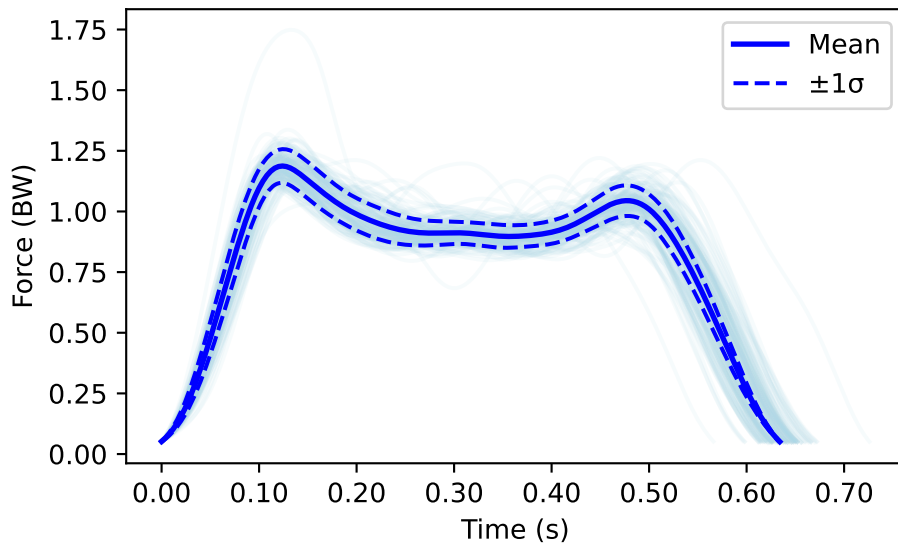
	Mean	Standard Deviation
Max Force (BW)	0.0977	0.00815
Impulse (BW·s)	0.0296	0.00172

Anteroposterior



	Mean	Standard Deviation
Peak Brake (BW)	0.139	0.0127
Impulse Brake (BW·s)	0.0192	0.00179
Peak Propulsion (BW)	0.183	0.0135
Impulse Propulsion (BW·s)	0.0300	0.00305
Total Impulse (BW·s)	0.0110	0.00399

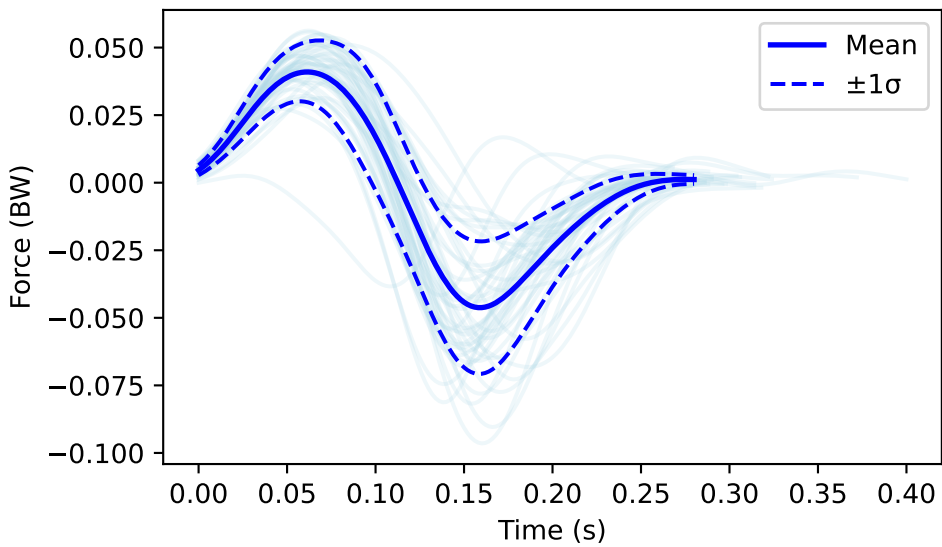
Vertical



	Mean	Standard Deviation
Peak 1 (BW)	1.20	0.0689
Peak 2 (BW)	1.06	0.0600
Valley (BW)	0.859	0.0315
Impulse (BW·s)	0.521	0.0195
Loading Rate (BW/s)	12.1	1.13
Unloading Rate (BW/s)	-7.78	1.05

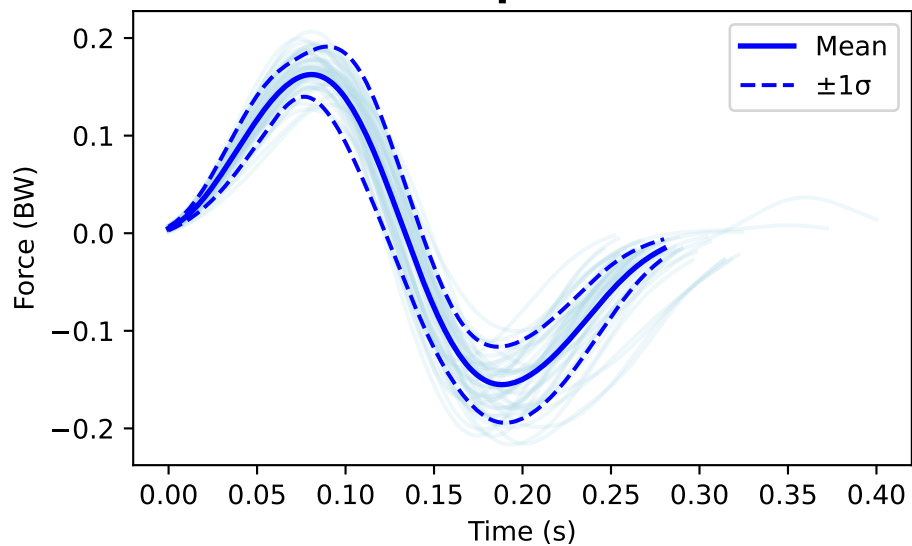
Left Running Information

Mediolateral



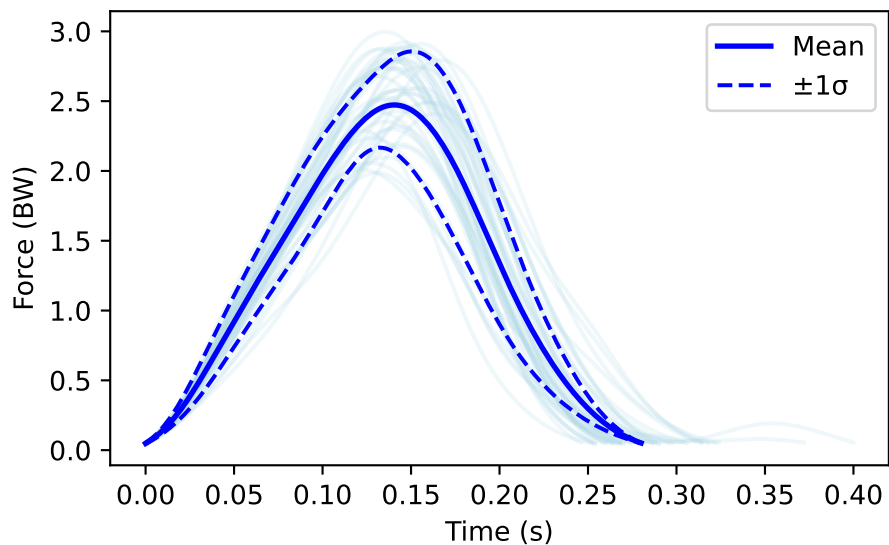
	Mean	Standard Deviation
Max Force (BW)	0.0435	0.00840
Impulse (BW·s)	-0.000426	0.00174

Anteroposterior



	Mean	Standard Deviation
Peak Brake (BW)	0.170	0.0186
Impulse Brake (BW·s)	0.0130	0.00161
Peak Propulsion (BW)	0.164	0.0285
Impulse Propulsion (BW·s)	0.0144	0.00355
Total Impulse (BW·s)	0.00129	0.00330

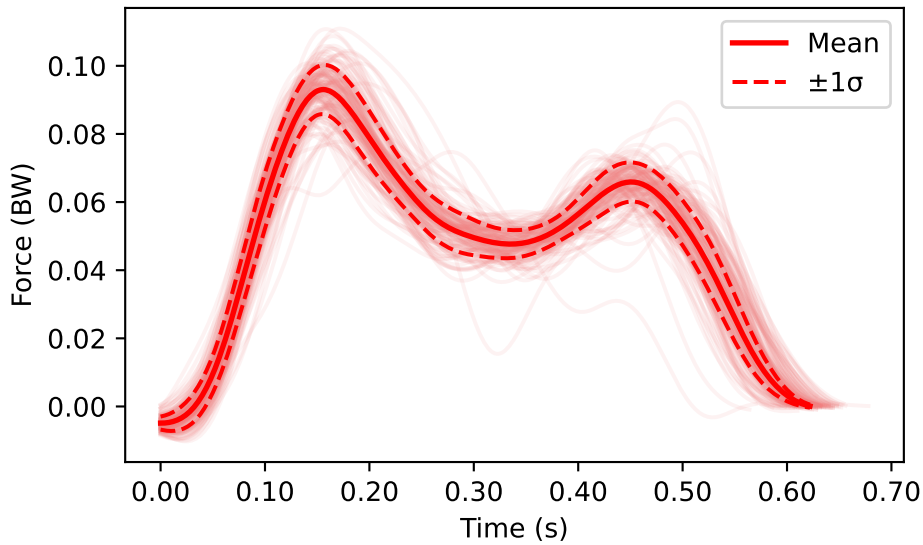
Vertical



	Mean	Standard Deviation
Peak 1 (BW)	2.56	0.273
Impulse (BW·s)	0.353	0.0437
Loading Rate (BW/s)	21.4	2.69
Unloading Rate (BW/s)	-23.2	7.18

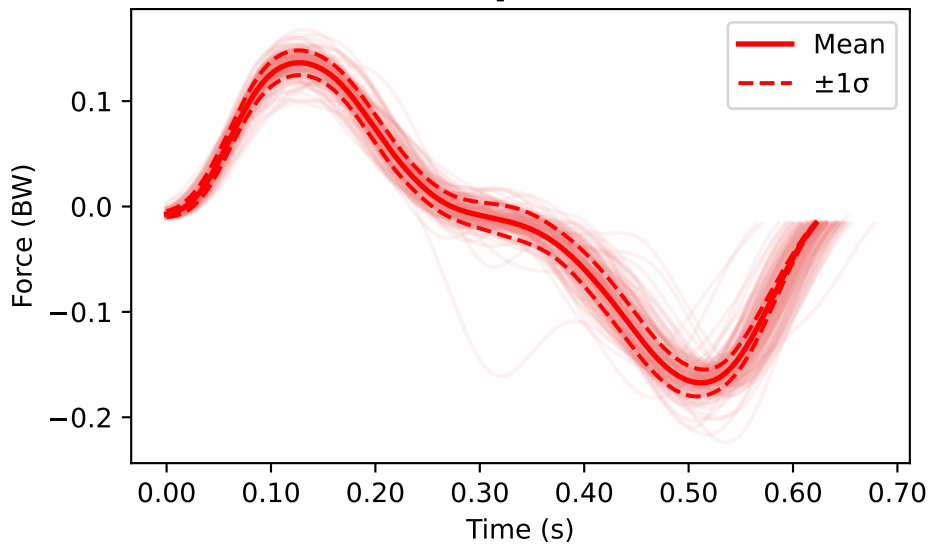
Right Walking Information

Mediolateral



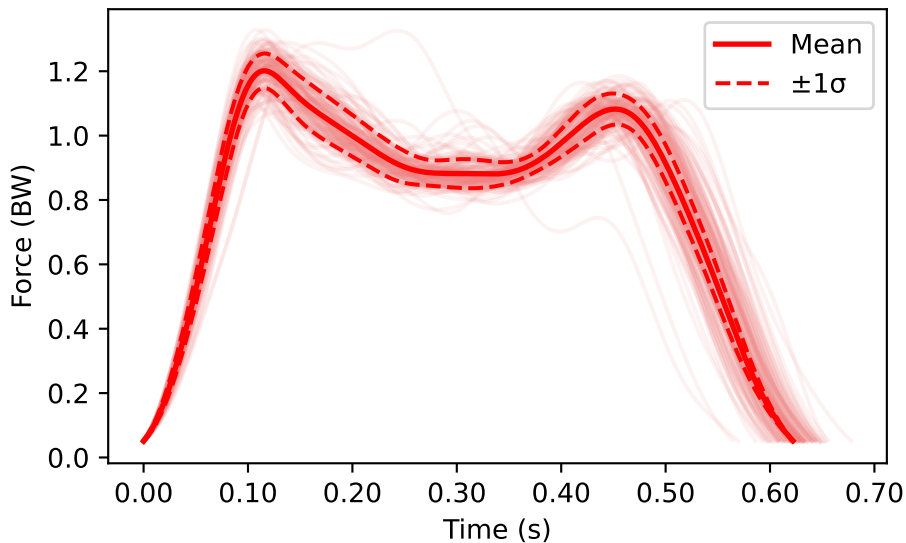
	Mean	Standard Deviation
Max Force (BW)	0.0940	0.00686
Impulse (BW·s)	0.0302	0.00172

Anteroposterior



	Mean	Standard Deviation
Peak Brake (BW)	0.138	0.0115
Impulse Brake (BW·s)	0.0194	0.00180
Peak Propulsion (BW)	0.169	0.0126
Impulse Propulsion (BW·s)	0.0283	0.00258
Total Impulse (BW·s)	0.00896	0.00342

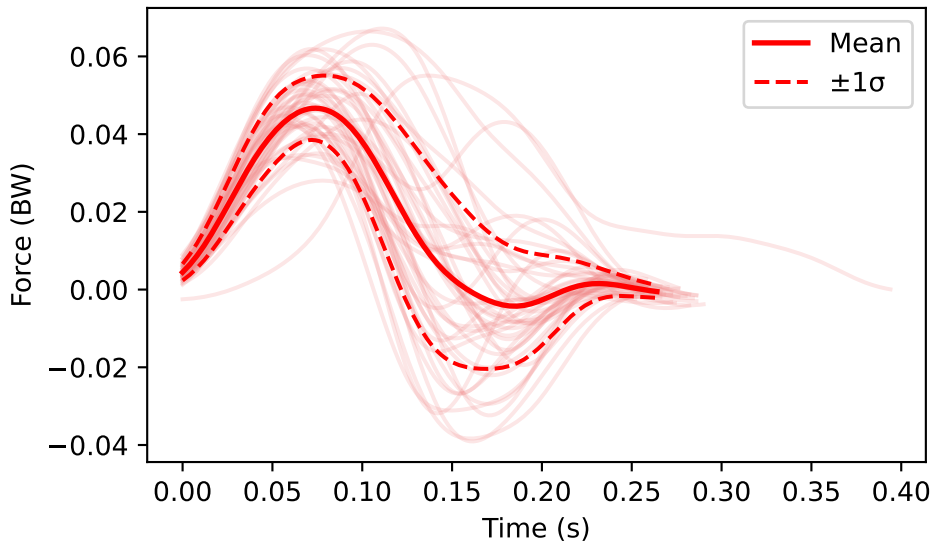
Vertical



	Mean	Standard Deviation
Peak 1 (BW)	1.21	0.0523
Peak 2 (BW)	1.09	0.0461
Valley (BW)	0.857	0.0304
Impulse (BW·s)	0.509	0.0159
Loading Rate (BW/s)	12.8	1.11
Unloading Rate (BW/s)	-7.56	0.690

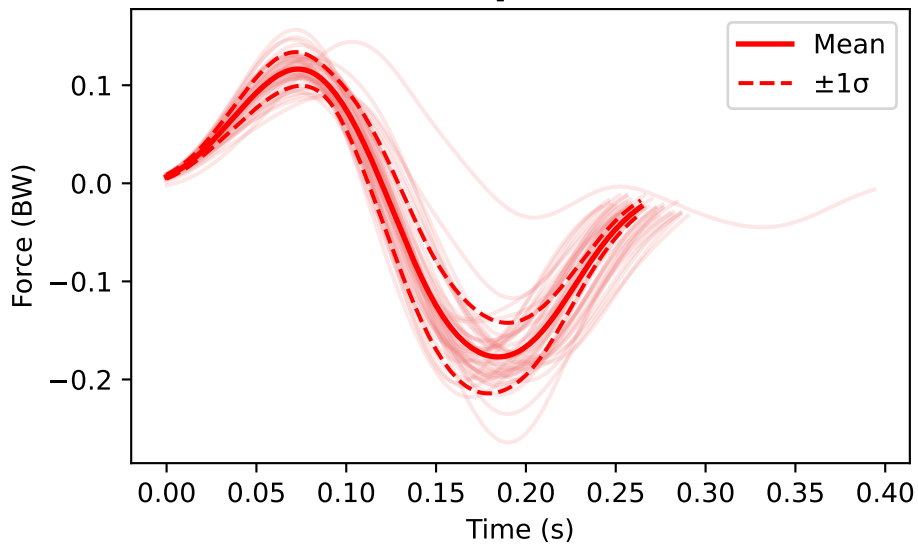
Right Running Information

Mediolateral



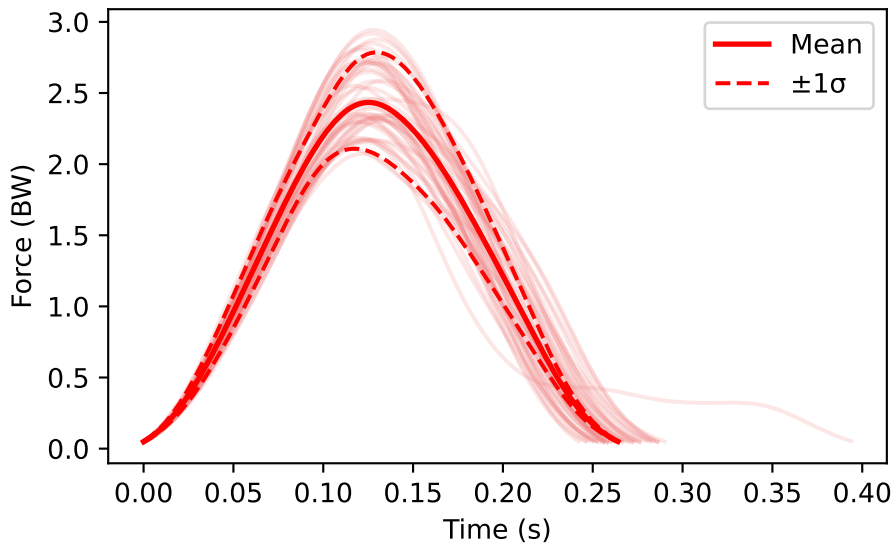
	Mean	Standard Deviation
Max Force (BW)	0.0491	0.00869
Impulse (BW·s)	0.00421	0.00211

Anteroposterior



	Mean	Standard Deviation
Peak Brake (BW)	0.118	0.0163
Impulse Brake (BW·s)	0.00852	0.00124
Peak Propulsion (BW)	0.183	0.0324
Impulse Propulsion (BW·s)	0.0165	0.00368
Total Impulse (BW·s)	0.00793	0.00427

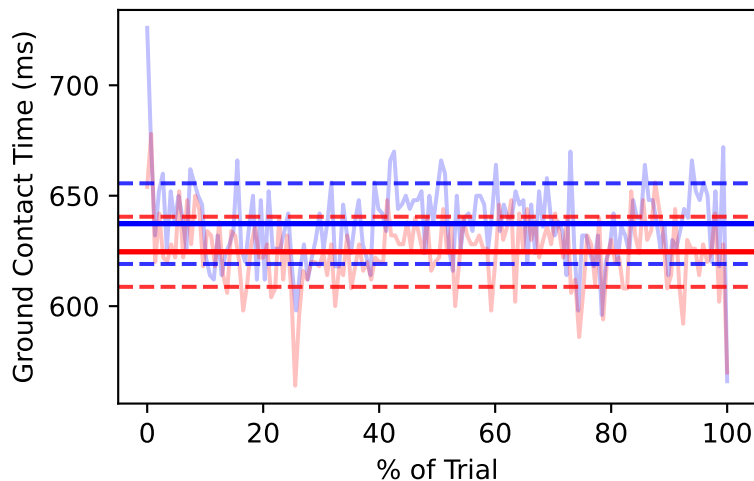
Vertical



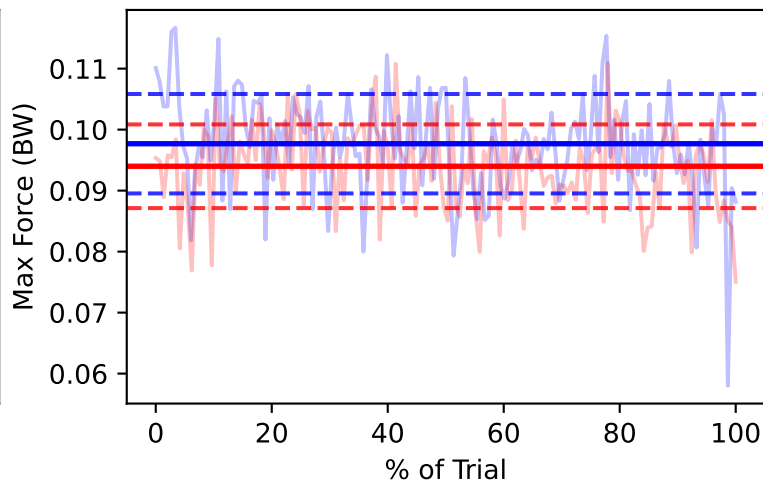
	Mean	Standard Deviation
Peak 1 (BW)	2.48	0.244
Impulse (BW·s)	0.345	0.0285
Loading Rate (BW/s)	24.5	2.70
Unloading Rate (BW/s)	-22.0	4.49

Advanced Walking Information

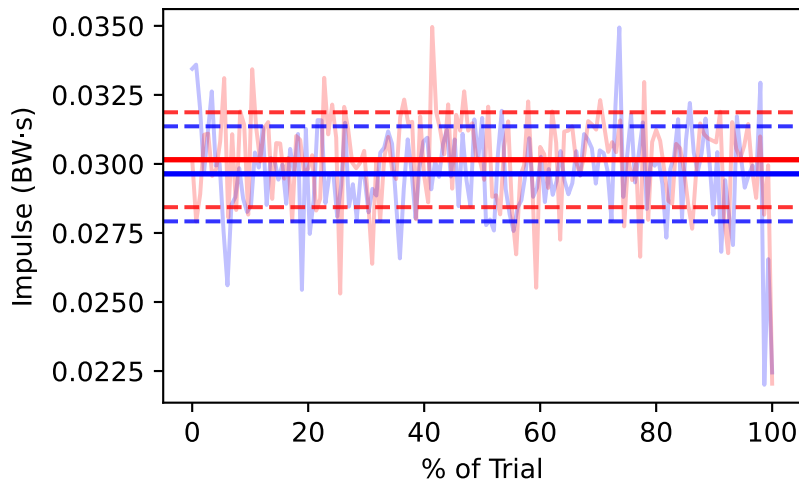
Ground Contact Time



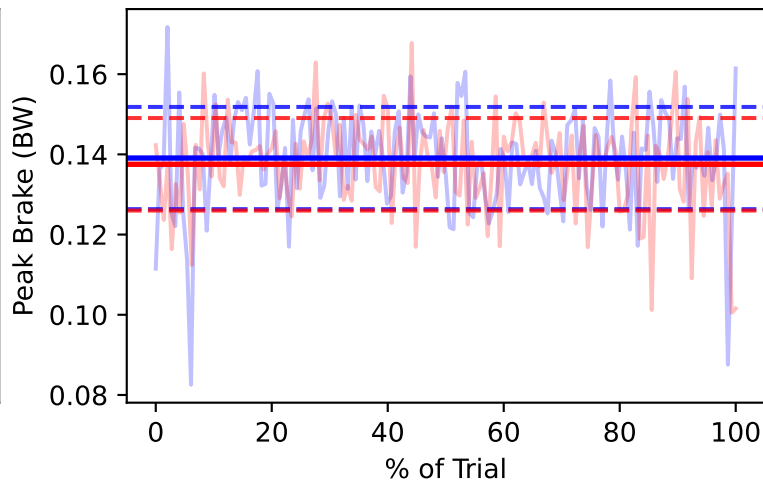
Mediolateral Max Force



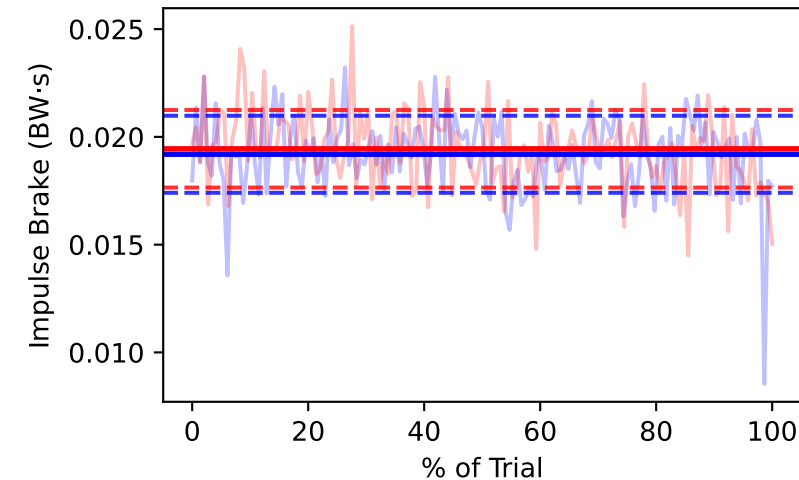
Mediolateral Impulse



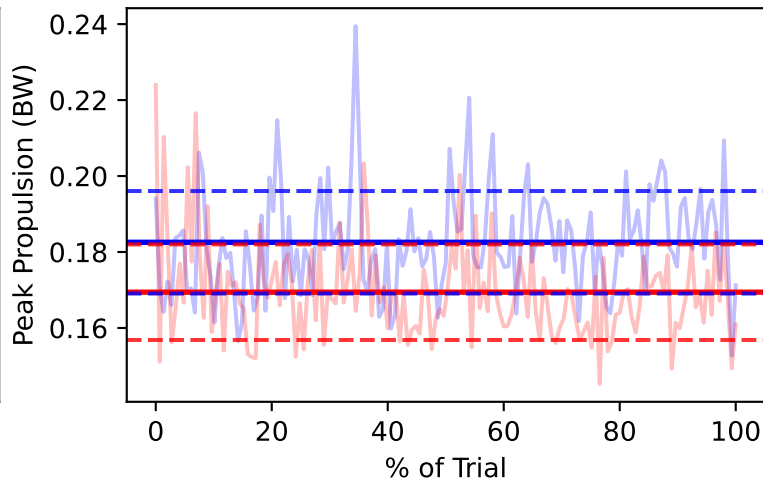
Anteroposterior Peak Brake



Anteroposterior Impulse Brake



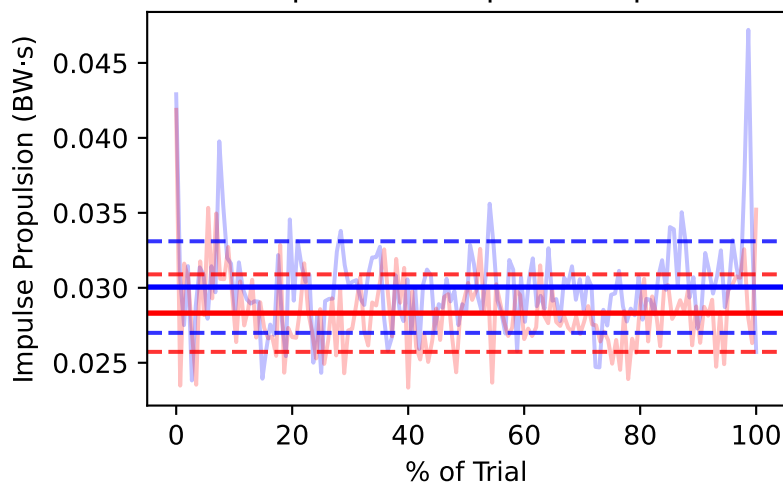
Anteroposterior Peak Propulsion



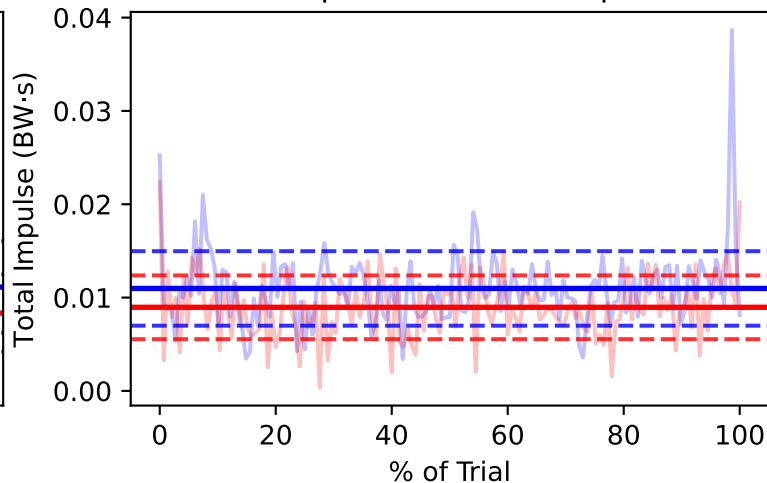
Left Values Right Values Left Mean Right Mean $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Walking Information

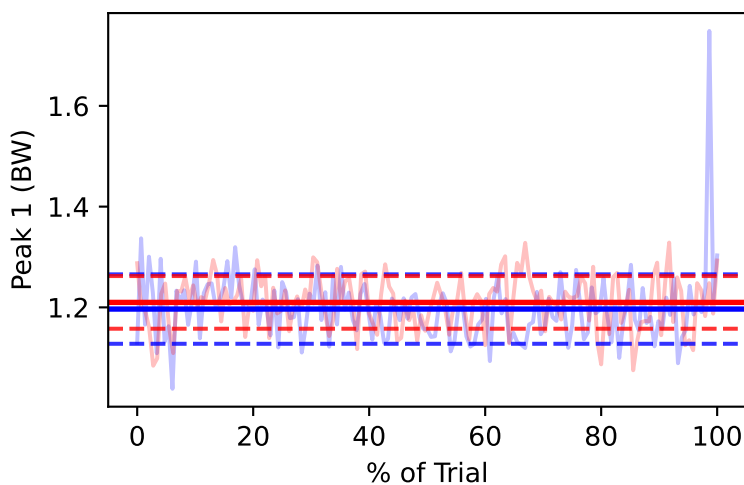
Anteroposterior Impulse Propulsion



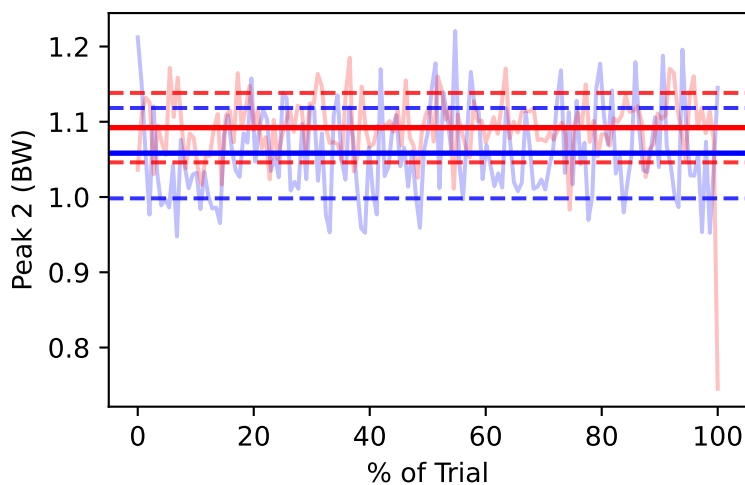
Anteroposterior Total Impulse



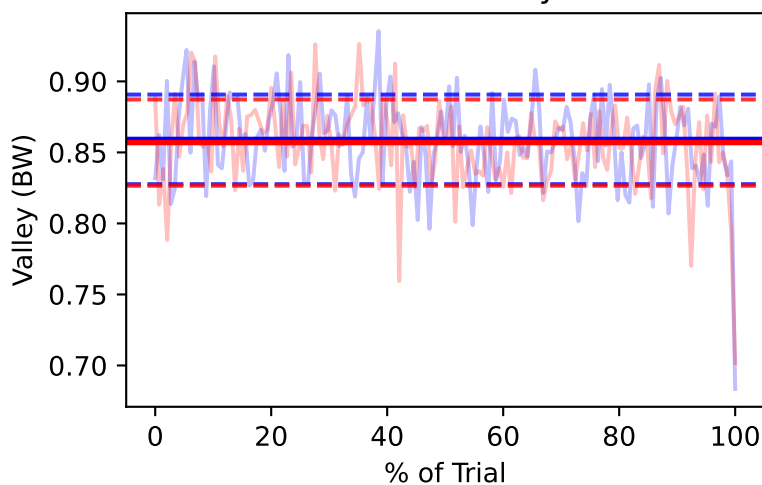
Vertical Peak 1



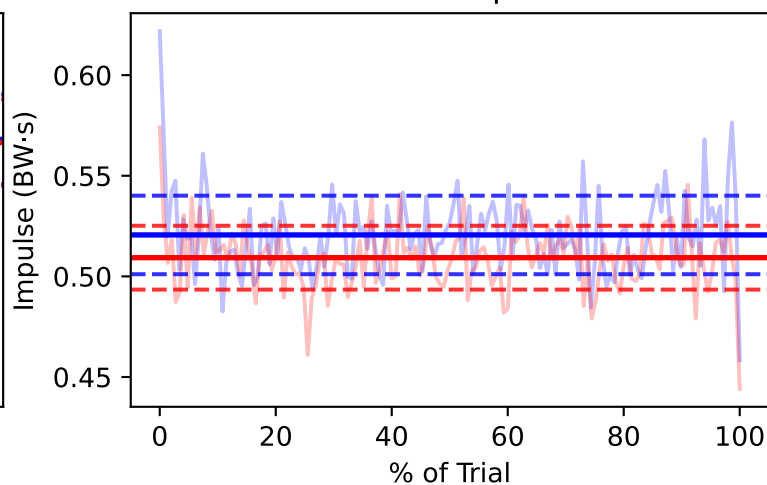
Vertical Peak 2



Vertical Valley



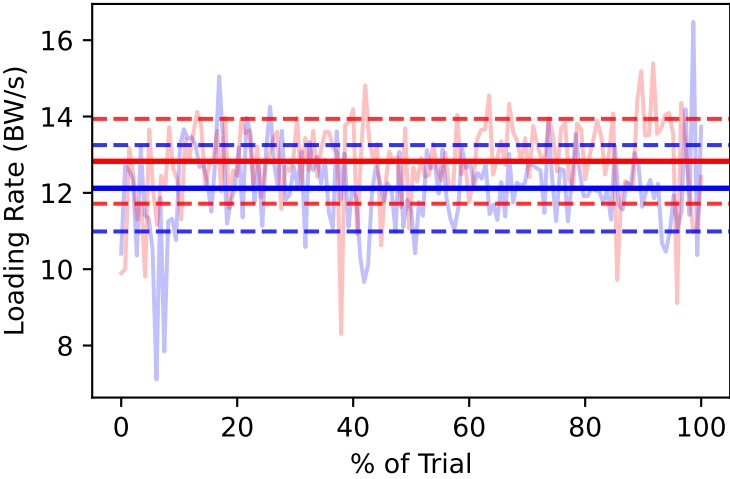
Vertical Impulse



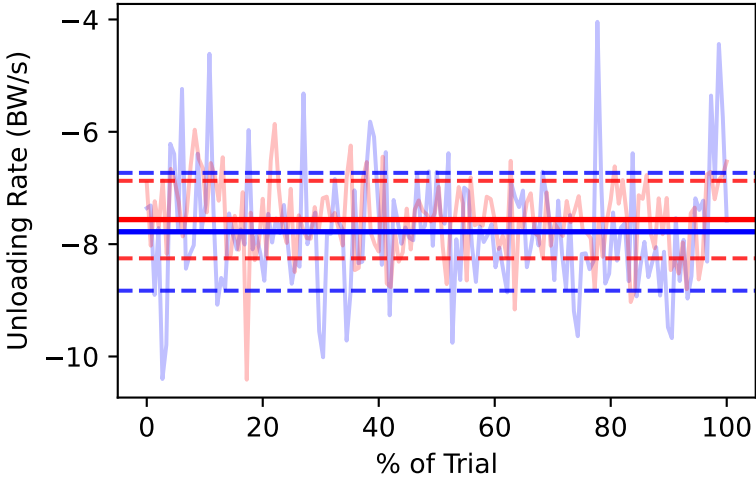
Left Values Right Values Left Mean Right Mean $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Walking Information

Vertical Loading Rate



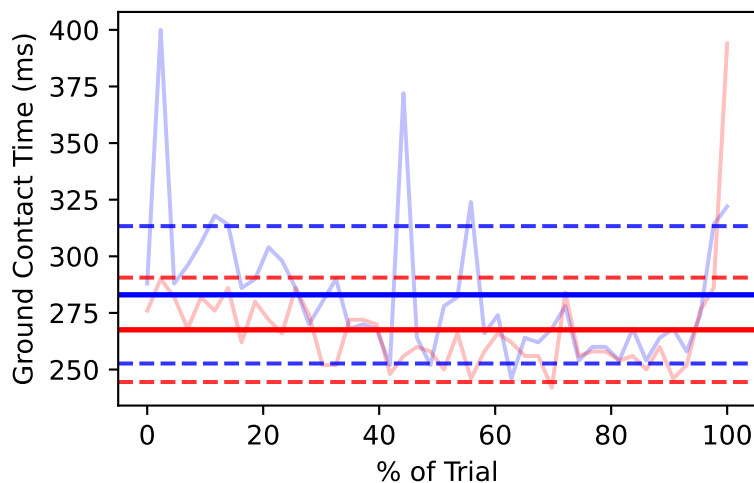
Vertical Unloading Rate



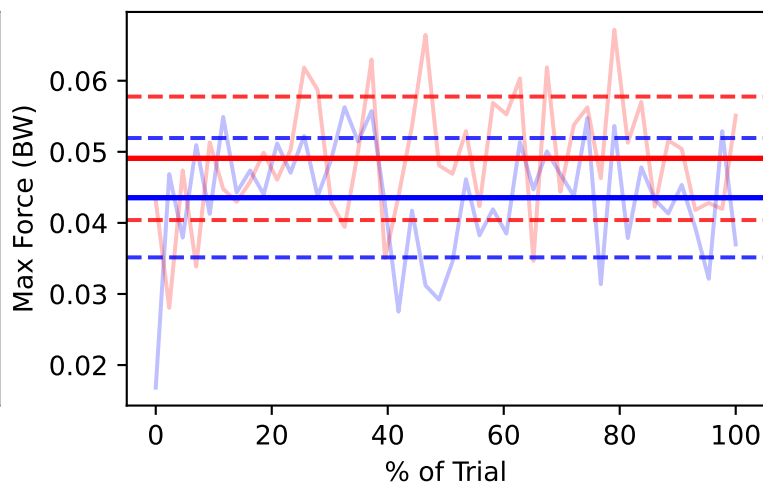
Left Values Right Values Left Mean Right Mean $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Running Information

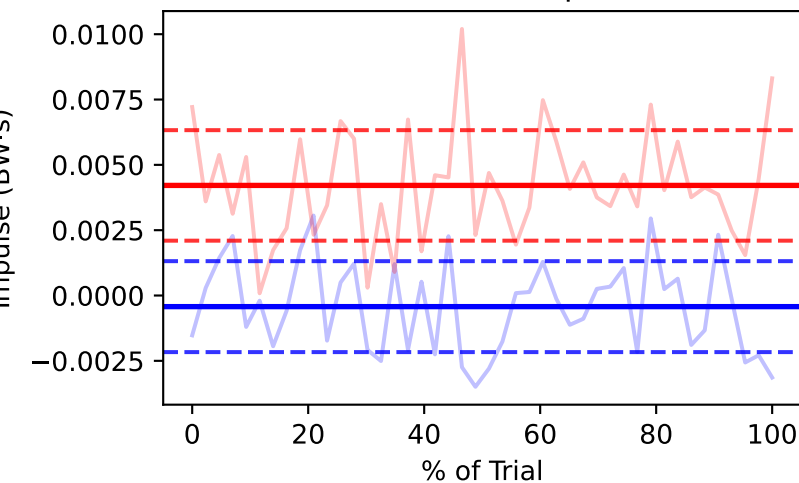
Ground Contact Time



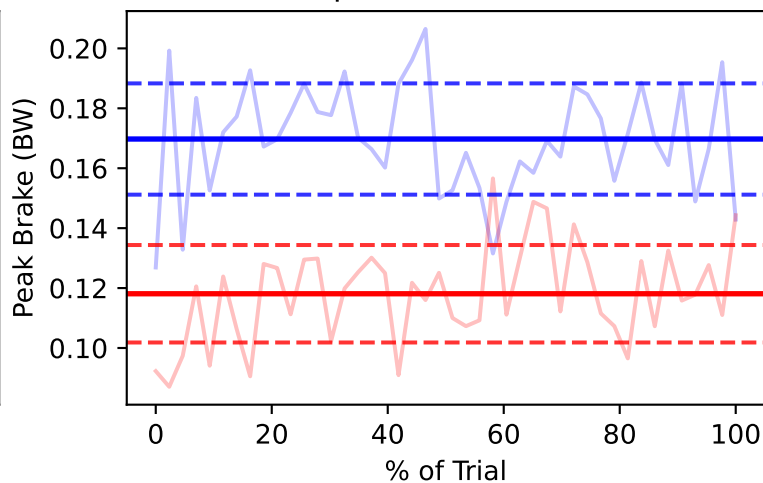
Mediolateral Max Force



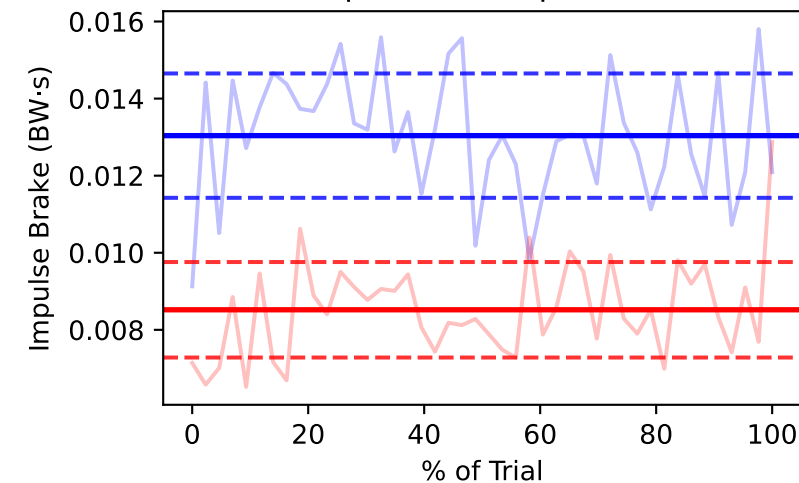
Mediolateral Impulse



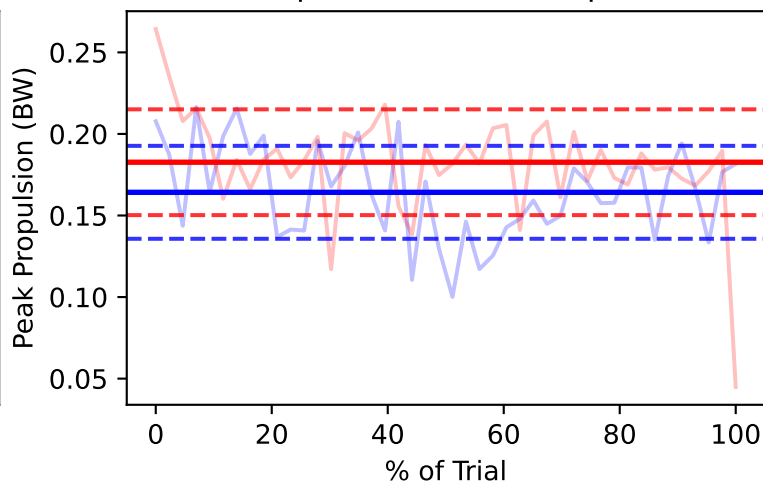
Anteroposterior Peak Brake



Anteroposterior Impulse Brake



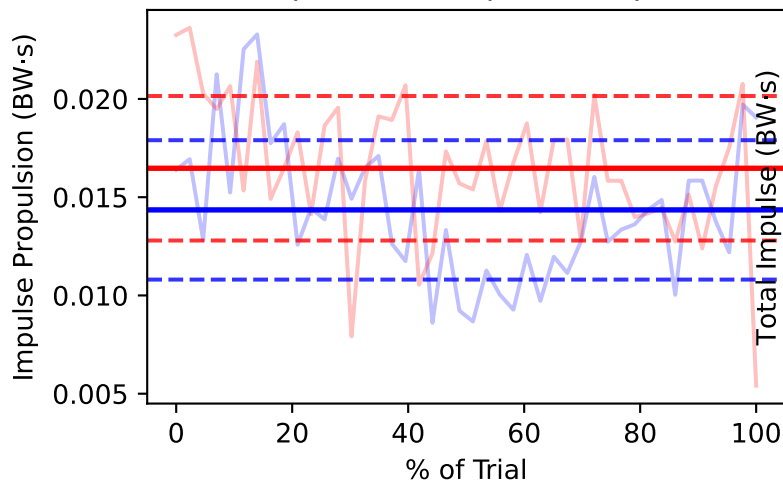
Anteroposterior Peak Propulsion



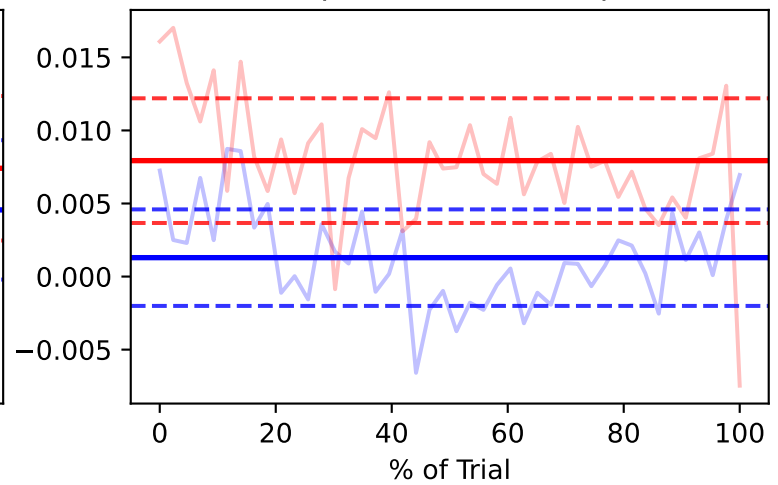
Left Values Right Values Left Mean Right Mean $\pm 1\sigma$ Left $\pm 1\sigma$ Right

Advanced Running Information

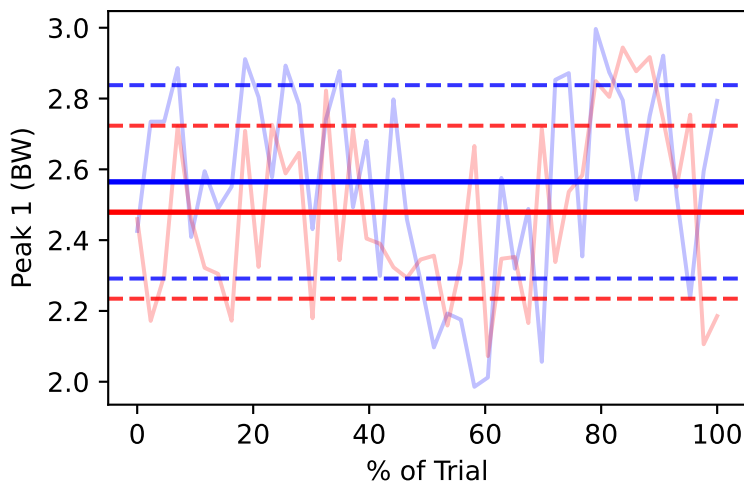
Anteroposterior Impulse Propulsion



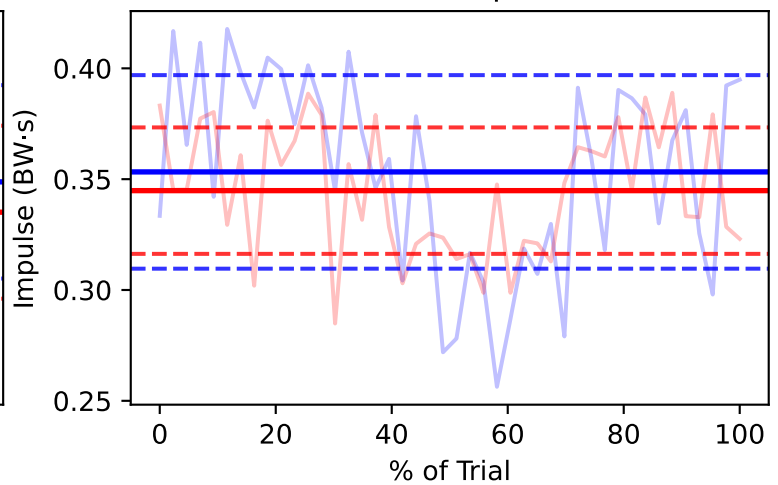
Anteroposterior Total Impulse



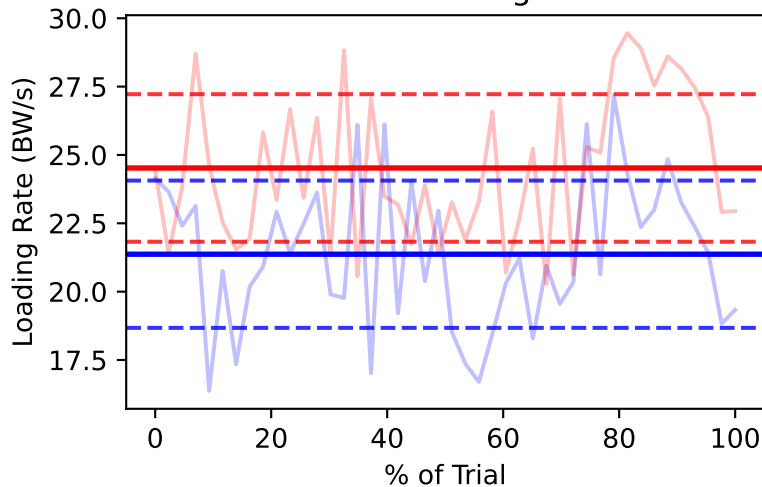
Vertical Peak 1



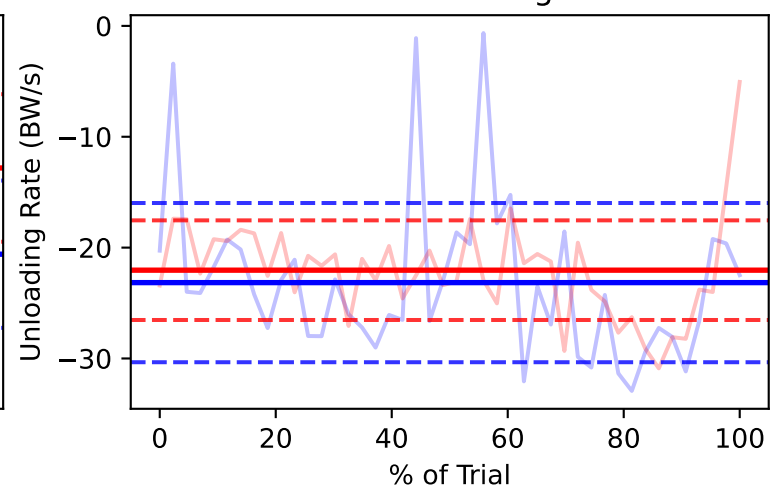
Vertical Impulse



Vertical Loading Rate



Vertical Unloading Rate



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