

		Activity					Body Segment						
							Foot		Shin		Thigh		
		O	All	Run	Walk	Bike	Sit	Stand	R	L	R	L	R
Traditional Formats													
CSV		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ZIP		3.97	3.26	3.06	3.09	6.07	6.18	3.99	4.10	3.95	3.98	3.98	3.93
Binary		8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32
Proposed Methods													
5 <sup>th</sup> deg. poly.	(19*n)	11.25	8.59	8.92	9.87	15.28	15.78	11.24	11.16	11.10	11.20	11.49	11.34
4 <sup>th</sup> deg. poly.	(19*n)	11.57	8.73	9.09	10.15	15.93	16.39	11.54	11.47	11.42	11.54	11.81	11.65
3 <sup>rd</sup> deg. poly.	(19*n)	11.80	8.84	9.22	10.30	16.44	16.80	11.74	11.67	11.66	11.78	12.05	11.88
2 <sup>nd</sup> deg. poly.	(13*n)	12.00	8.97	9.35	10.44	16.77	17.29	11.95	11.87	11.85	12.00	12.25	12.07
Spline	(3*n)	12.20	9.23	9.63	10.74	16.61	17.24	12.04	11.99	11.98	12.12	12.60	12.48
Linear	(8*n)	12.22	9.11	9.52	10.52	17.19	17.81	12.21	12.11	12.07	12.20	12.45	12.26
Delta	(1*n)	12.75	9.52	9.95	10.96	17.87	18.69	12.68	12.61	12.54	12.71	13.07	12.87
Optimal Methods													
Optimal AR		12.73	9.54	9.93	11.12	17.87	18.76	12.61	12.55	12.48	12.68	13.12	12.92
Optimal MVAR		12.70	9.56	9.93	11.12	17.83	18.67	12.50	12.26	12.34	12.60	12.90	12.70