MyPredict Database

The MyLeg Roessingh Database for activity recognition (MyPredict) consists of 3 data sets, MyPredict 1-3. Data will be published in the 4TU repository under CC-BY license. The file format of these datasets will be HDF5 files. In total there are 55 subjects and 85 measurement moments.

Each HDF5 file contains bilateral angles, accelerations, angular velocity, orientation, virtual markers of the lower limb (as defined by Xsens) and EMG, either bipolar EMG or multi-array EMG or both. Sample frequency is 1000Hz. Virtual marker positions are down sampled to 100Hz to reduce file size.

The meta data from this file is included in the separate HDF5 files as well, under the 'Meta' field.

MyPredict 1

Per subject there is one measurement moment. Approximately 20GB of data.

Subject code	Sex	Age (year)	Weight (kg)	Height (cm)	Notes
MP101	m	23	71	186	
MP102	m	27	99	188	
MP103	f	23	64	161	
MP104	f	25	62	177	
MP105	m	25	78	188	
MP106	m	22	84	184	
MP107	m	23	84	194	
MP108	m	24	81	183	
MP109	m	23	76	183	
MP110	f	21	70	192	
	7m/3f	24 ± 2	77 ± 10	183 ± 9	

MyPredict 2

Per subject there is one measurement moment. Approximately 130GB of data.

Subject code	Sex	Age (year)	Weight (kg)	Height (cm)	Notes
MP201	f	21	72	175	
MP202	m	26	90	178	
MP203	m	25	85	189	
MP204	f	20	67	165	
MP205	f	20	72	174	
MP206	m	24	81	202	
MP207	m	24	73	194	
MP208	m	24	84	171	
MP209	f	25	70	184	
MP210	f	24	62	183	
MP211	f	24	56	168	
MP212	f	26	70	190	
MP213	f	22	76	177	
MP214	f	21	65	170	
MP215	m	21	97	189	
MP216	f	22	67	178	

MP217	m	20	81	191	
MP218	m	18	73	186	
MP219	f	23	57	168	
MP220	m	25	94	185	
MP221	f	26	64	173	
MP222	m	24	69	179	
MP223	m	22	66	179	
MP224	f	22	59	179	
MP225	f	21	64	174	
MP226	f	21	56	182	
MP227	f	21	79	179	
MP228	f	25	83	179	
MP229	m	21	91	192	
MP230	f	21	62	168	
MP231	f	27	68	180	
MP232	f	22	62	165	
MP233	f	25	75	170	
MP234	m	26	78	192	
MP235	m	19	80	180	
	14m/21f	23 ± 2	73 ± 11	179 ± 9	

MyPredict 3

Per subject there are four measurement moments. Approximately 172GB of data.

Subject code	Sex	Age (year)	Weight (kg)	Height (cm)	Notes
MP301	f	20	69	164	
MP302	f	23	69	169	
MP303	f	26	82	176	
MP304	m	22	73	182	
MP305	f	28	58	170	
MP306	m	26	74	178	
MP307	f	23	70	173	Day_4 Left GMax missing
MP308	m	25	85	183	Day_4 GMax missing
MP309	m	21	77	179	
MP310	f	23	55	165	
	4m/6f	24 ± 2	71 ± 9	174 ± 6	