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## Chapter 1. BarbellSquat

### 1.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_zero_cross	std_zero_cross
<b>grav_data_Z</b>	'grav_data'	'Z'	5.000	3.600	7.371
<b>grav_data_X</b>	'grav_data'	'X'	5.000	4.100	10.975
<b>orient_data_roll</b>	'orient_data'	'roll'	5.000	5.800	9.310
<b>orient_data_yaw</b>	'orient_data'	'yaw'	5.000	6.050	11.827
<b>grav_data_Y</b>	'grav_data'	'Y'	5.000	6.450	9.932
<b>orient_data_pitch</b>	'orient_data'	'pitch'	5.000	6.450	10.272
<b>orient_data_qw</b>	'orient_data'	'qw'	5.000	6.650	11.389
<b>orient_data_qx</b>	'orient_data'	'qx'	5.000	10.600	10.609
<b>orient_data_qy</b>	'orient_data'	'qy'	5.000	10.750	10.515
<b>orient_data_qz</b>	'orient_data'	'qz'	5.000	10.900	10.508

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## Chapter 2. BenchPress

### 2.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_zero_cross	std_zero_cross
<b>orient_data_pitch</b>	'orient_data'	'pitch'	8.000	1.375	3.433
<b>grav_data_Z</b>	'grav_data'	'Z'	8.000	1.438	9.672
<b>orient_data_qw</b>	'orient_data'	'qw'	8.000	2.062	4.911
<b>orient_data_roll</b>	'orient_data'	'roll'	8.000	2.062	11.476
<b>grav_data_X</b>	'grav_data'	'X'	8.000	2.188	11.210
<b>orient_data_qz</b>	'orient_data'	'qz'	8.000	2.531	7.496
<b>grav_data_Y</b>	'grav_data'	'Y'	8.000	4.094	4.349
<b>orient_data_qy</b>	'orient_data'	'qy'	8.000	5.375	3.891
<b>orient_data_qx</b>	'orient_data'	'qx'	8.000	8.344	3.482
<b>orient_data_yaw</b>	'orient_data'	'yaw'	8.000	8.719	7.646

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## Chapter 3. Deadlift

### 3.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_zero_cross	std_zero_cross
<b>orient_data_qx</b>	'orient_data'	'qx'	5.000	0.000	3.841
<b>grav_data_X</b>	'grav_data'	'X'	5.000	0.400	2.620
<b>orient_data_qz</b>	'orient_data'	'qz'	5.000	0.450	8.783
<b>orient_data_qw</b>	'orient_data'	'qw'	5.000	1.350	8.221
<b>orient_data_roll</b>	'orient_data'	'roll'	5.000	1.500	2.698
<b>orient_data_qy</b>	'orient_data'	'qy'	5.000	1.600	7.787
<b>grav_data_Y</b>	'grav_data'	'Y'	5.000	1.650	11.527
<b>orient_data_pitch</b>	'orient_data'	'pitch'	5.000	2.250	11.239
<b>grav_data_Z</b>	'grav_data'	'Z'	5.000	2.400	11.042
<b>orient_data_yaw</b>	'orient_data'	'yaw'	5.000	6.950	9.183

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## Chapter 4. Jogging

### 4.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_findpeaks	std_findpeaks
<b>orient_data_roll</b>	'orient_data'	'roll'	11.000	1.909	110.022
<b>orient_data_yaw</b>	'orient_data'	'yaw'	11.000	5.182	79.023
<b>orient_data_qy</b>	'orient_data'	'qy'	11.000	6.727	75.643
<b>grav_data_Y</b>	'grav_data'	'Y'	11.000	14.727	86.773
<b>orient_data_qz</b>	'orient_data'	'qz'	11.000	15.273	70.469
<b>orient_data_qx</b>	'orient_data'	'qx'	11.000	19.000	77.075
<b>orient_data_qw</b>	'orient_data'	'qw'	11.000	20.364	70.892
<b>orient_data_pitch</b>	'orient_data'	'pitch'	11.000	21.727	91.842
<b>grav_data_Z</b>	'grav_data'	'Z'	11.000	30.000	90.315
<b>grav_data_X</b>	'grav_data'	'X'	11.000	49.455	87.832

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## Chapter 5. Pullups

### 5.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_zero_cross	std_zero_cross
<b>grav_data_Y</b>	'grav_data'	'Y'	10.000	0.025	1.108
<b>orient_data_qz</b>	'orient_data'	'qz'	10.000	0.125	4.831
<b>orient_data_pitch</b>	'orient_data'	'pitch'	10.000	0.275	1.083
<b>orient_data_roll</b>	'orient_data'	'roll'	10.000	0.500	6.180
<b>orient_data_qx</b>	'orient_data'	'qx'	10.000	1.350	5.950
<b>grav_data_X</b>	'grav_data'	'X'	10.000	1.675	7.266
<b>grav_data_Z</b>	'grav_data'	'Z'	10.000	2.225	4.709
<b>orient_data_qy</b>	'orient_data'	'qy'	10.000	3.125	2.470
<b>orient_data_yaw</b>	'orient_data'	'yaw'	10.000	3.325	5.359
<b>orient_data_qw</b>	'orient_data'	'qw'	10.000	4.200	2.502

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## Chapter 6. Situps

### 6.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_zero_cross	std_zero_cross
<b>orient_data_qw</b>	'orient_data'	'qw'	3.000	0.583	4.876
<b>orient_data_roll</b>	'orient_data'	'roll'	3.000	0.667	1.893
<b>orient_data_qz</b>	'orient_data'	'qz'	3.000	2.083	5.246
<b>grav_data_X</b>	'grav_data'	'X'	3.000	2.667	5.299
<b>orient_data_pitch</b>	'orient_data'	'pitch'	3.000	2.667	5.575
<b>grav_data_Y</b>	'grav_data'	'Y'	3.000	2.750	5.056
<b>orient_data_yaw</b>	'orient_data'	'yaw'	3.000	3.333	4.646
<b>orient_data_qx</b>	'orient_data'	'qx'	3.000	4.250	4.750
<b>orient_data_qy</b>	'orient_data'	'qy'	3.000	4.667	5.859
<b>grav_data_Z</b>	'grav_data'	'Z'	3.000	4.833	0.144

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## Chapter 7. Walking

### 7.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_double_findpeaks	std_double_findpeaks
<b>orient_data_qz</b>	'orient_data'	'qz'	17.000	58.176	228.161
<b>orient_data_qw</b>	'orient_data'	'qw'	17.000	75.235	262.609
<b>orient_data_qy</b>	'orient_data'	'qy'	17.000	120.882	280.300
<b>orient_data_qx</b>	'orient_data'	'qx'	17.000	145.000	308.977
<b>bar_data_Relative Altitude</b>	'bar_data'	'Relative Altitude'	17.000	147.235	302.970
<b>orient_data_yaw</b>	'orient_data'	'yaw'	17.000	194.294	378.436
<b>orient_data_roll</b>	'orient_data'	'roll'	17.000	204.353	370.752
<b>bar_data_Pressure</b>	'bar_data'	'Pressure'	17.000	213.353	360.387
<b>orient_data_pitch</b>	'orient_data'	'pitch'	17.000	222.353	384.970

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## Chapter 8. WalkingOnTreadmill

### 8.1. Average Error by Sensor

	Sensor	Axis	GroupCount	mean_findpeaks_above_zero	std_findpeaks_above_zero
<b>grav_data_Y</b>	'grav_data'	'Y'	4.000	1.500	17.521
<b>bar_data_Pressure</b>	'bar_data'	'Pressure'	4.000	2.000	23.310
<b>grav_data_Z</b>	'grav_data'	'Z'	4.000	33.250	21.639
<b>grav_data_X</b>	'grav_data'	'X'	4.000	36.250	19.190
<b>bar_data_Relative Altitude</b>	'bar_data'	'Relative Altitude'	4.000	38.250	7.136