

Tabel 1. Selected parameters of static balance tests in the control and dance groups (\bar{x} Mean \pm SD)

	Control group			Dance group		
	\bar{x}	Me	\pm SD	\bar{x}	Me	\pm SD
95% confidence ellipse area	187.033	153.000	143.598	139.048	99.000	130.299
95% confidence ellipse area - eyes closed	307.639	249.000	224.308	221.889	205.000	165.746
COP average velocity, mm/sec	7.967	7.000	4.095	7.016	6.000	3.215
COP average velocity, mm/sec - eyes closed	13.656	12.000	6.534	10.905	10.000	3.481
Maximum, N, walk. /left leg	681.885	696.000	84.886	606.873	600.000	88.262
Maximum, N, walk. /right leg	681.049	695.000	84.728	607.032	605.000	83.492
Maximum, N, running. /left leg	1282.164	1293.000	205.103	1191.889	1165.000	194.383
Maximum, N, running. /right leg	1290.410	1289.000	213.228	1187.524	1193.000	182.218

Tabel 2. Differences and effect size of selected parameters in balance tests between the control and dance groups

	Kruskal test statistic	p	effect size	(es) 95% ci
95% confidence ellipse area	6,22	0,012*	0,043	-0,005 - 0,14
95% confidence ellipse area - eyes closed	7,80	0,005**	0,056	-0,002 - 0,16
COP average velocity, mm/sec	1,52	0,217	0,004	-0,008 - 0,06
COP average velocity, mm/sec - eyes closed	6,70	0,009**	0,047	-0,004 - 0,16
Maximum, N, walk /left leg	22,70	1,904	0,178	0,07 - 0,32
Maximum, N, walk /right leg	20,32	6,533	0,158	0,05 - 0,3
Maximum, N, run /left leg	7,50	0,006**	0,053	-0,004 - 0,16
Maximum, N, run /right leg	8,94	0,002**	0,065	-0,0002 - 0,18

*** - $p < 0.001$, ** - $p < 0.01$, * - $p < 0.05$.

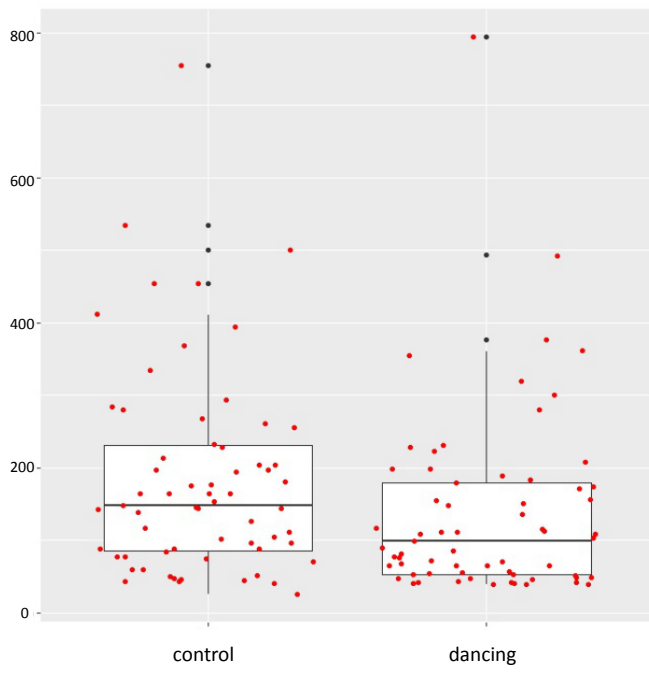


Figure 1. 95% confidence ellipse area

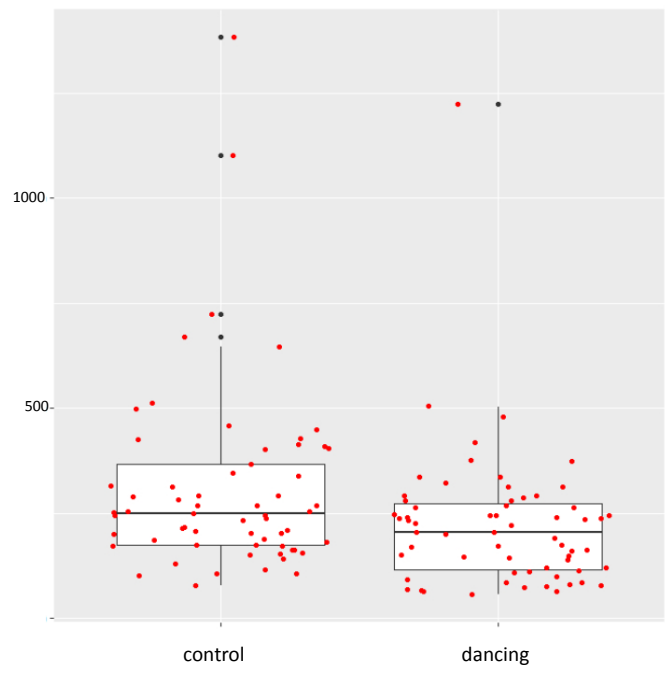


Figure 2. 95% confidence ellipse area - eyes closed

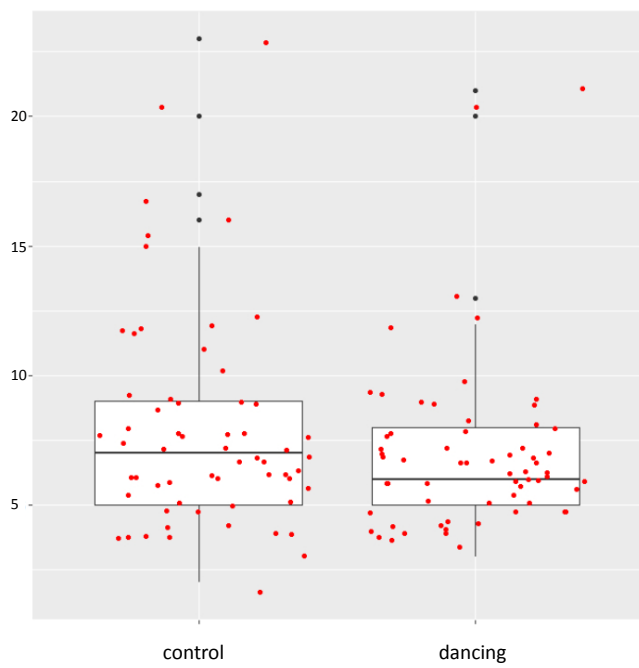


Figure 3. COP average velocity, mm/sec

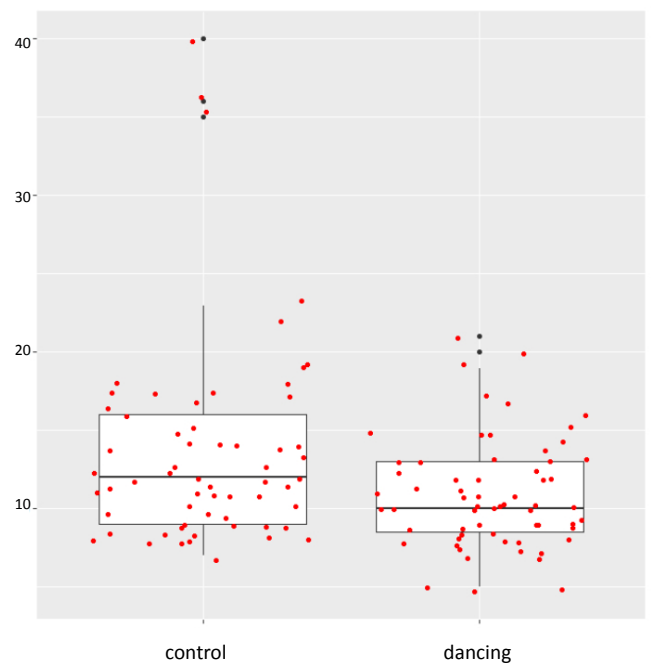


Figure 4. COP average velocity, mm/sec - eyes closed

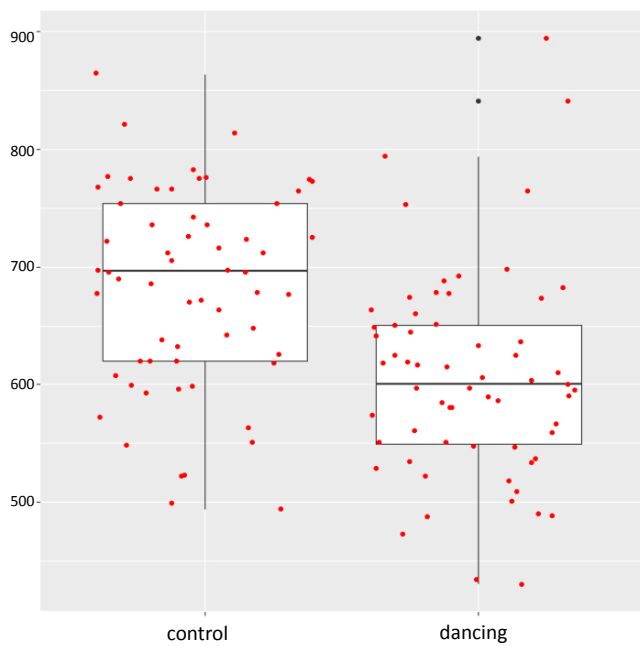


Figure 5. Maximum, N, walk /left leg

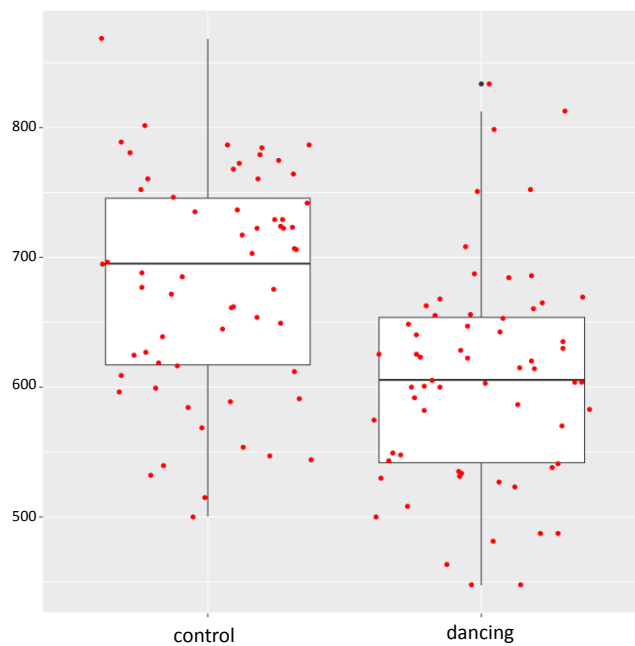


Figure 6. Maximum, N, walk /right leg

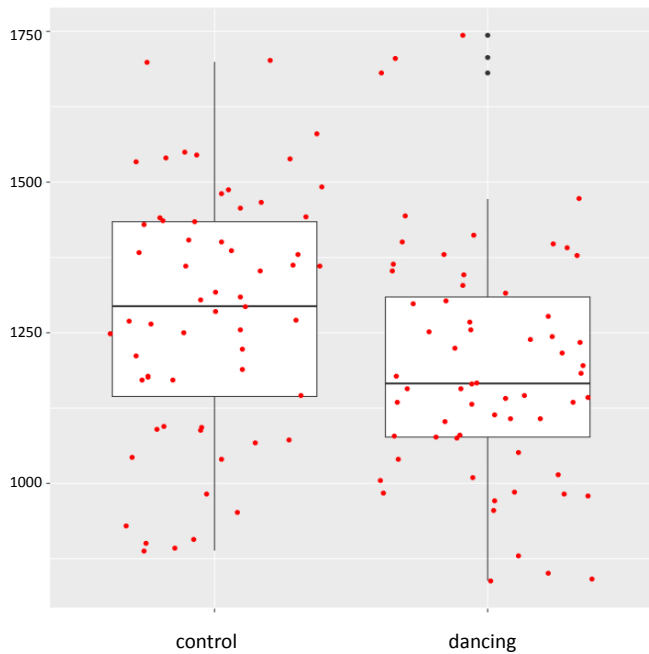


Figure 7. Maximum, N, run /left leg

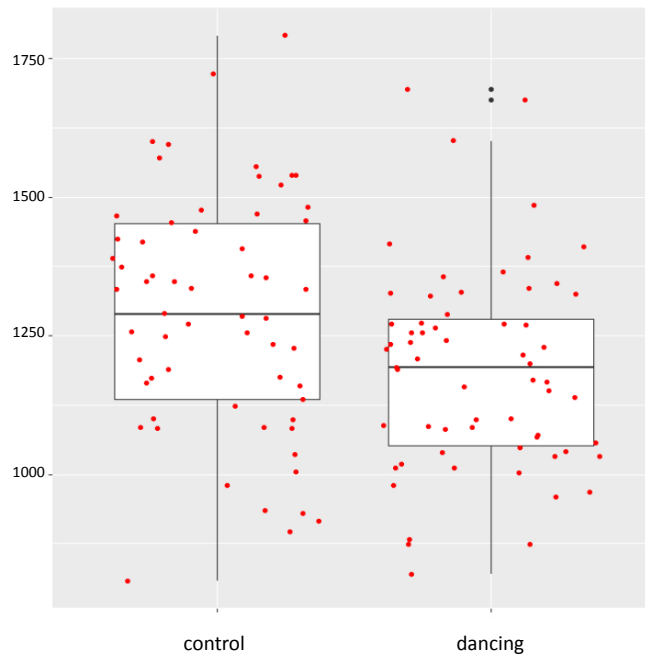


Figure 8. Maximum, N, run /right leg

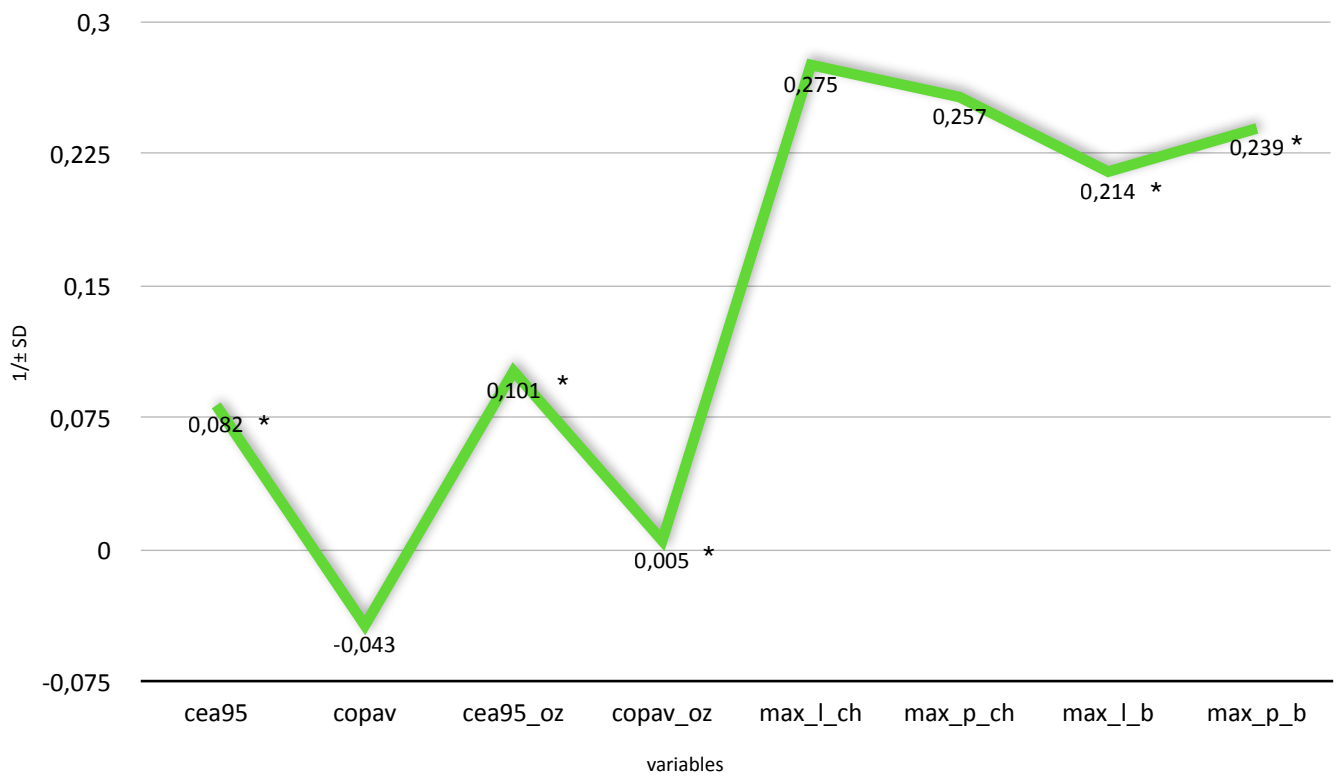


Figure 9. Profile z-score normalize values