

Erratum:

A database of human gait performance on irregular and uneven surfaces collected by wearable sensors

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Information Update

An incorrect descriptions were erroneously included in Table 5. The correct descriptions have now been updated in this document.

Table 5: Data stored in .txt files (all variables are with dimension $n \times 1$).

Labels	Unit	Description
PacketCounter	N/A	Packet counter, value will be same if data frames were recorded at the same time (increase 1 unit per data frame)
SampleTimeFine	N/A	Not recorded in this study
Acc_X	m/s^2	Acceleration in the vertical direction (w/ gravity)
Acc_Y	m/s^2	Acceleration in the medio-lateral direction (w/ gravity)
Acc_Z	m/s^2	Acceleration in the anterior-posterior direction (w/ gravity)
FreeAcc_X	m/s^2	Acceleration, positive to the North (w/o gravity)
FreeAcc_Y	m/s^2	Acceleration, positive to the West (w/o gravity)
FreeAcc_Z	m/s^2	Acceleration, positive when pointing up (w/o gravity)
Gyr_X	rad/s	Rate of turn along the X axis
Gyr_Y	rad/s	Rate of turn along the Y axis
Gyr_Z	rad/s	Rate of turn along the Z axis
Mag_X	$a.u.$	3D magnetic field in the X direction
Mag_Y	$a.u.$	3D magnetic field in the Y direction
Mag_Z	$a.u.$	3D magnetic field in the Z direction
VelInc_X	m/s	Delta_velocity (dv) in the X direction
VelInc_Y	m/s	Delta_velocity (dv) in the Y direction
VelInc_Z	m/s	Delta_velocity (dv) in the Z direction
OriInc_q0	N/A	Delta_quaternion (q0)
OriInc_q1	N/A	Delta_quaternion (q1)
OriInc_q2	N/A	Delta_quaternion (q2)
OriInc_q3	N/A	Delta_quaternion (q3)
Roll	deg	Euler angles in XYZ Earth fixed type (roll)
Pitch	deg	Euler angles in XYZ Earth fixed type (pitch)
Yaw	deg	Euler angles in XYZ Earth fixed type (yaw)