

CODEBOOK – TIDY DATA

(Generated from accelerometers signals from the Samsung Galaxy S smartphone which contains acceleration/angular velocity data of different subjects performing different activities.)

1. Activityname – Describes the Activity performed by the subject while data was recorded by Smart Phone.

LAYING
SITTING
STANDING
WALKING
WALKING DOWNSTAIRS
WALKING UPSTAIRS

2. SubjectCode – Identifies the subject for whom data was recorded. There were 30 subjects within an age bracket of 19-48 years. They are numbered from 1 to 30.
3. MeanofAccelerationofBodyonXAxisofphoneinTimeDomain – Mean of Acceleration of Body on X Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
Values in the Tidy dataset ranges between 0.000000000 to 0.999999999
4. MeanofAccelerationofBodyonYAxisofphoneinTimeDomain - Mean of Acceleration of Body on Y Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
Values in the Tidy dataset ranges between -0.999999999 to -0.000000000
5. MeanofAccelerationofBodyonZAxisofphoneinTimeDomain - Mean of Acceleration of Body on Z Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
Values in the Tidy dataset ranges between -0.999999999 to -0.000000000
6. StandardDeviationofAccelerationofBodyonXAxisofphoneinTimeDomain - Standard Deviation of Acceleration of Body on X Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
Values in the Tidy dataset ranges between -0.999999999 to 0.999999999
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Values in the Tidy dataset ranges between -0.999999999 to 0.999999999

9. MeanofAccelerationofGravityonXAxisofphoneinTimeDomain - Mean of Acceleration of Gravity on X Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
Values in the Tidy dataset ranges between -0.999999999 to 0.999999999
10. MeanofAccelerationofGravityonYAxisofphoneinTimeDomain - Mean of Acceleration of Gravity on Y Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
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15. MeanofAccelerationofJerkofBodyonXAxisofphoneinTimeDomain - Mean of Acceleration of Jerk of Body on X Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
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21. MeanofAngularvelocityofBodyonXAxisofphoneinTimeDomain - Mean of Angular velocity of Body on X Axis of phone in Time Domain. The Tidy dataset gives the average of the above measure across different subjects and activities. Values in the Tidy dataset ranges between -0.999999999 to 0.999999999
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70. MeanofMagnitudeofAccelerationofBodyinFrequencyDomain - Mean of Magnitude of Acceleration of Body in Frequency Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
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71. StandardDeviationofMagnitudeofAccelerationofBodyinFrequencyDomain - Standard Deviation of Magnitude of Acceleration of Body in Frequency Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
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73. MeanofMagnitudeofAccelerationofJerkofBodyinFrequencyDomain - Mean of Magnitude of Acceleration of Jerk of Body in Frequency Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
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75. MagnitudeofAccelerationofJerkofBodyinFrequencyDomain - Magnitude of Acceleration of Jerk of Body in Frequency Domain. The Tidy dataset gives the average of the above measure across different subjects and activities.
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