CODE BOOK

There is one table in the UCI HAR Dataset.

1. HumanActivity.txt

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   The Human Activity.txt contains five hundred and sixtfy four variables(564) fields. This table provides information about Human Activity captured using Smartphone.

   1. "SubjPerson" : Lists the person number performing t he activity. Ranges from 1 – 30.
   2. "ActivityNo" : Lists the activity number being performed by the person. Ranges from 1 – 6.
   3. "ActivityName" : Lists the activity name being perfor med by the person. Includes Walking(1), Walking Up stairs(2), Walking Downstairs(3), Sitting(4), Standin g(5), Laying(6).
      Activity name corresponds to the corresponding to th e activity number.
   4. "TimeBodyAccelerometer-mean()-X" : Mean of Mea surements using Accelerometer on time scale along X Axis.
   5. "TimeBodyAccelerometer-mean()-Y" : Mean of Meas urements using Accelerometer on time scale along Y Axis.
   6. "TimeBodyAccelerometer-mean()-Z" : Mean of Meas urements using Accelerometer on time scale along Z Axis.
   7. "TimeGravityAccelerometer-mean()-X" : Mean of Me asurements using Gravity Accelerometer on time scal e along X Axis.

8. "TimeGravityAccelerometer-mean()-Y" : Mean of Measurements using Gravity Accelerometer on time scale along Y Axis.
9. "TimeGravityAccelerometer-mean()-Z" : Mean of Measurements using Gravity Accelerometer on time scale along Z Axis.
10. "TimeBodyAccelerometerJerk-mean()-X" : Mean of Measurements to measure Jerk using Accelerometer on time scale along X Axis.
11. "TimeBodyAccelerometerJerk-mean()-Y" : Mean of Measurements to measure Jerk using Accelerometer on time scale along Y Axis.
12. "TimeBodyAccelerometerJerk-mean()-Z" : Mean of Measurements to measure Jerk using Accelerometer on time scale along Z Axis.
13. "TimeBodyGyroscope-mean()-X" : Mean of Measurements using Gyroscope on time scale along X Axis.
14. "TimeBodyGyroscope-mean()-Y" : Mean of Measurements using Gyroscope on time scale along Y Axis.
15. "TimeBodyGyroscope-mean()-Z" : Mean of Measurements using Gyroscope on time scale along Z Axis.
16. "TimeBodyGyroscopeJerk-mean()-X" : Mean of Measurements to measure Jerk using Gyroscope on time scale along X Axis.
17. "TimeBodyGyroscopeJerk-mean()-Y" : Mean of Measurements to measure Jerk using Gyroscope on time scale along Y Axis.
18. "TimeBodyGyroscopeJerk-mean()-Z" : Mean of Measurements to measure Jerk using Gyroscope on time scale along Z Axis.
19. "TimeBodyAccelerometerMagnitude-mean()" : Mean of Measurements to measure Magnitude using Accelerometer on time scale.
20. "TimeGravityAccelerometerMagnitude-mean()" : Mean of Measurements to measure Gravity using Accelerometer on time scale.
21. "TimeBodyAccelerometerJerkMagnitude-mean()" : Mean of Measurements to measure Jerk Magnitude using Accelerometer on time scale.

22. "TimeBodyGyroscopeMagnitude-mean()" : Mean of Measurements to measure Magnitude using Gyroscope on time scale.
23. "TimeBodyGyroscopeJerkMagnitude-mean()" : Mean of Measurements to measure Jerk Magnitude using Gyroscope on time scale.
24. "FrequencyBodyAccelerometer-mean()-X" : Mean of Measurements using Accelerometer on frequency scale along X Axis.
25. "FrequencyBodyAccelerometer-mean()-Y" : Mean of Measurements using Accelerometer on frequency scale along Y Axis.
26. "FrequencyBodyAccelerometer-mean()-Z" : Mean of Measurements using Accelerometer on frequency scale along Z Axis.
27. "FrequencyBodyAccelerometerJerk-mean()-X" : Mean of Measurements to measure Jerk using Accelerometer on frequency scale along X Axis.
28. "FrequencyBodyAccelerometerJerk-mean()-Y" : Mean of Measurements to measure Jerk using Accelerometer on frequency scale along Y Axis.
29. "FrequencyBodyAccelerometerJerk-mean()-Z" : Mean of Measurements to measure Jerk using Accelerometer on frequency scale along Z Axis.
30. "FrequencyBodyGyroscope-mean()-X" : Mean of Measurements using Gyroscope on frequency scale along X Axis.
31. "FrequencyBodyGyroscope-mean()-Y" : Mean of Measurements using Gyroscope on frequency scale along Y Axis.
32. "FrequencyBodyGyroscope-mean()-Z" : Mean of Measurements using Gyroscope on frequency scale along Z Axis.
33. "FrequencyBodyAccelerometerMagnitude-mean()" : Mean of Measurements to measure Magnitude using Accelerometer on frequency scale.
34. "FrequencyBodyBodyAccelerometerJerkMagnitude-mean()" : Mean of Measurements to measure Jerk Magnitude using Accelerometer on frequency scale.

35. "FrequencyBodyBodyGyroscopeMagnitude-mean() " : Mean of Measurements to measure Magnitude usi ng Gyroscope on frequency scale.
36. "FrequencyBodyBodyGyroscopeJerkMagnitude-me an()" : Mean of Measurements to measure Jerk Magn itude using Gyroscope on frequency scale.
37. "TimeBodyAccelerometer-std()-X" : Standard Devi ation of Measurements using Accelerometer on time scale along the X Axis.
38. "TimeBodyAccelerometer-std()-Y" : Standard Devi ation of Measurements using Accelerometer on time scale along the Y Axis.
39. "TimeBodyAccelerometer-std()-Z" : Standard Devi ation of Measurements using Accelerometer on time scale along the Z Axis.
40. "TimeGravityAccelerometer-std()-X" : Standard D eviation of Measurements to measure Gravity using A ccelerometer on time scale along the X Axis.
41. "TimeGravityAccelerometer-std()-Y" : Standard De viation of Measurements to measure Gravity using Ac celerometer on time scale along the Y Axis.
42. "TimeGravityAccelerometer-std()-Z" : Standard D eviation of Measurements to measure Gravity using A ccelerometer on time scale along the Z Axis.
43. "TimeBodyAccelerometerJerk-std()-X" : Standard Deviation of Measurements to measure Jerk using Ac celerometer on time scale along the X Axis.
44. "TimeBodyAccelerometerJerk-std()-Y" : Standard Deviation of Measurements to measure Jerk using Ac celerometer on time scale along the Y Axis.
45. "TimeBodyAccelerometerJerk-std()-Z" : Standard Deviation of Measurements to measure Jerk using Ac celerometer on time scale along the Z Axis.
46. "TimeBodyGyroscope-std()-X" : Standard Deviatio n of Measurements using Gyroscope on time scale al ong the X Axis.
47. "TimeBodyGyroscope-std()-Y" : Standard Deviatio n of Measurements using Gyroscope on time scale al ong the Y Axis.

48. "TimeBodyGyroscope-std()-Z" : Standard Deviation of Measurements using Gyroscope on time scale along the Z Axis.
49. "TimeBodyGyroscopeJerk-std()-X" : Standard Deviation of Measurements to measure Jerk using Gyroscope on time scale along the X Axis.
50. "TimeBodyGyroscopeJerk-std()-Y" : Standard Deviation of Measurements to measure Jerk using Gyroscope on time scale along the Y Axis.
51. "TimeBodyGyroscopeJerk-std()-Z" : Standard Deviation of Measurements to measure Jerk using Gyroscope on time scale along the Z Axis.
52. "TimeBodyAccelerometerMagnitude-std()" : Standard Deviation of Measurements to measure Magnitude using Accelerometer on time scale.
53. "TimeGravityAccelerometerMagnitude-std()" : Standard Deviation of Measurements to measure Gravity Magnitude using Accelerometer on time scale.
54. "TimeBodyAccelerometerJerkMagnitude-std()" : Standard Deviation of Measurements to measure Jerk Magnitude using Accelerometer on time scale.
55. "TimeBodyGyroscopeMagnitude-std()" : Standard Deviation of Measurements to measure Magnitude using Gyroscope on time scale.
56. "TimeBodyGyroscopeJerkMagnitude-std()" : Standard Deviation of Measurements to measure Jerk Magnitude using Gyroscope on time scale.
57. "FrequencyBodyAccelerometer-std()-X" : Standard Deviation of Measurements using Accelerometer on frequency scale along X Axis.
58. "FrequencyBodyAccelerometer-std()-Y" : Standard Deviation of Measurements using Accelerometer on frequency scale along Y Axis.
59. "FrequencyBodyAccelerometer-std()-Z" : Standard Deviation of Measurements using Accelerometer on frequency scale along Z Axis.
60. "FrequencyBodyAccelerometerJerk-std()-X" : Standard Deviation of Measurements to measure Jerk using Accelerometer on frequency scale along X Axis.

61. "FrequencyBodyAccelerometerJerk-std()-Y" : Standard Deviation of Measurements to measure Jerk using Accelerometer on frequency scale along Y Axis.
62. "FrequencyBodyAccelerometerJerk-std()-Z" : Standard Deviation of Measurements to measure Jerk using Accelerometer on frequency scale along Z Axis.
63. "FrequencyBodyGyroscope-std()-X" : Standard Deviation of Measurements using Gyroscope on frequency scale along X Axis.
64. "FrequencyBodyGyroscope-std()-Y" : Standard Deviation of Measurements using Gyroscope on frequency scale along Y Axis.
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66. "FrequencyBodyAccelerometerMagnitude-std()" : Standard Deviation of Measurements to measure Magnitude using Accelerometer on frequency scale.
67. "FrequencyBodyBodyAccelerometerJerkMagnitude-std()" : Standard Deviation of Measurements to measure Jerk Magnitude using Accelerometer on frequency scale.
68. "FrequencyBodyBodyGyroscopeMagnitude-std()" : Standard Deviation of Measurements to measure Magnitude using Gyroscope on frequency scale.
69. "FrequencyBodyBodyGyroscopeJerkMagnitude-std()" : Standard Deviation of Measurements to measure Jerk Magnitude using Gyroscope on frequency scale.