1. activity_name
   type: character string
   activity name i.e(walking, sitting, standing, laying etc)
2. subject_num
   type: integer
   subject number from 30 volunteers who participated in the experiment
3. mean_time_body_acceleration_X
   type: numerical
   time domain body linear acceleration signal's Mean value in X-direction
4. mean_time_body_acceleration_Y
   type: numerical
   time domain body linear acceleration signal's Mean value in Y-direction
5. mean_time_body_acceleration_Z
   type: numerical
   time domain body linear acceleration signal's Mean value in Z-direction
6. std_time_body_acceleration_X
   type: numerical
   time domain body linear acceleration signal's Standard deviation in X-direction
7. std_time_body_acceleration_Y
   type: numerical
   time domain body linear acceleration signal's Standard deviation in Y-direction
8. std_time_body_acceleration_Z
   type: numerical
   time domain body linear acceleration signal's Standard deviation in Z-direction
9. mean_time_gravity_acceleration_X
   type: numerical
   time domain gravity linear acceleration signal's Mean value in X-direction
10. mean_time_gravity_acceleration_Y
    type: numerical
    time domain gravity linear acceleration signal's Mean value in Y-direction
11. mean_time_gravity_acceleration_Z
    type: numerical
    time domain gravity linear acceleration signal's Mean value in Z-direction
12. std_time_gravity_acceleration_X
    type: numerical
    time domain gravity linear acceleration signal's Standard deviation in X-direction
13. std_time_gravity_acceleration_Y
    type: numerical
    time domain gravity linear acceleration signal's Standard deviation in Y-direction
14. std_time_gravity_acceleration_Z
    type: numerical
    time domain gravity linear acceleration signal's Standard deviation in Z-direction
15. mean_time_body_acceleration_jerk_X
    type: numerical
    time domain body linear acceleration Jerk signal's Mean value in X-direction
16. mean_time_body_acceleration_jerk_Y
    type: numerical
    time domain body linear acceleration Jerk signal's Mean value in Y-direction
17. mean_time_body_acceleration_jerk_Z

type: numerical
time domain body linear acceleration Jerk signal's Mean value in Z-direction

18. std_time_body_acceleration_jerk_X
type: numerical
time domain body linear acceleration Jerk signal's Standard deviation in X-direction
19. std_time_body_acceleration_jerk_Y
type: numerical
time domain body linear acceleration Jerk signal's Standard deviation in Y-direction
20. std_time_body_acceleration_jerk_Z
type: numerical
time domain body linear acceleration Jerk signal's Standard deviation in Z-direction
21. mean_time_body_gyroscope_X
type: numerical
time domain body gyroscope angular velocity's Mean value in X-direction
22. mean_time_body_gyroscope_Y
type: numerical
time domain body gyroscope angular velocity's Mean value in Y-direction
23. mean_time_body_gyroscope_Z
type: numerical
time domain body gyroscope angular velocity's Mean value in Z-direction
24. std_time_body_gyroscope_X
type: numerical
time domain body gyroscope angular velocity's Standard deviation in X-direction
25. std_time_body_gyroscope_Y
type: numerical
time domain body gyroscope angular velocity's Standard deviation in Y-direction
26. std_time_body_gyroscope_Z
type: numerical
time domain body gyroscope angular velocity's Standard deviation in Z-direction
27. mean_time_body_gyroscope_jerk_X
type: numerical
time domain body gyroscope angular velocity Jerk signal's Mean value in X-direction
28. mean_time_body_gyroscope_jerk_Y
type: numerical
time domain body gyroscope angular velocity Jerk signal's Mean value in Y-direction
29. mean_time_body_gyroscope_jerk_Z
type: numerical
time domain body gyroscope angular velocity Jerk signal's Mean value in Z-direction
30. std_time_body_gyroscope_jerk_X
type: numerical
time domain body gyroscope angular velocity Jerk signal's Standard deviation in X-direction
31. std_time_body_gyroscope_jerk_Y
type: numerical
time domain body gyroscope angular velocity Jerk signal's Standard deviation in Y-direction
32. std_time_body_gyroscope_jerk_Z
type: numerical
time domain body gyroscope angular velocity Jerk signal's Standard deviation in Z-direction
33. mean_time_body_acceleration_magnitude
type: numerical
time domain body linear acceleration signal magnitude's Mean value

34. std_time_body_acceleration_magnitude
    type: numerical
    time domain body linear acceleration signal magnitude's Standard deviation
35. mean_time_gravity_acceleration_magnitude
    type: numerical
    time domain gravity acceleration signal magnitude's Mean value
36. std_time_gravity_acceleration_magnitude
    type: numerical
    time domain gravity acceleration signal magnitude's Standard deviation
37. mean_time_body_acceleration_jerk_magnitude
    type: numerical
    time domain body linear acceleration Jerk signal magnitude's Mean value
38. std_time_body_acceleration_jerk_magnitude
    type: numerical
    time domain body linear accelerometer Jerk signal magnitude's Standard deviation
39. mean_time_body_gyroscope_magnitude
    type: numerical
    time domain body gyroscope angular velocity magnitude's Mean value
40. std_time_body_gyroscope_magnitude
    type: numerical
    time domain body gyroscope angular velocity magnitude's Standard deviation
41. mean_time_body_gyroscope_jerk_magnitude
    type: numerical
    time domain body gyroscope angular velocity Jerk signal magnitude's Mean value
42. std_time_body_gyroscope_jerk_magnitude
    type: numerical
    time domain body gyrscope angular velocity Jerk signal magnitude's Standard deviation
43. mean_frequency_body_acceleration_X
    type: numerical
    frequency domain body linear acceleration signal's Mean value in X-direction
44. mean_frequency_body_acceleration_Y
    type: numerical
    frequency domain body linear acceleration signal's Mean value in Y-direction
45. mean_frequency_body_acceleration_Z
    type: numerical
    frequency domain body linear acceleration signal's Mean value in Z-direction
46. std_frequency_body_acceleration_X
    type: numerical
    frequency domain body linear acceleration signal's Standard deviation in X-direction
47. std_frequency_body_acceleration_Y
    type: numerical
    frequency domain body linear acceleration signal's Standard deviation in Y-direction
48. std_frequency_body_acceleration_Z
    type: numerical
    frequency domain body linear acceleration signal's Standard deviation in Z-direction
49. mean_frequency_body_acceleration_jerk_X
    type: numerical
    frequency domain body linear acceleration Jerk signal's Mean value in X-direction
50. mean_frequency_body_acceleration_jerk_Y

type: numerical
frequency domain body linear acceleration Jerk signal's Mean value in Y-direction

51. mean_frequency_body_acceleration_jerk_Z
type: numerical
frequency domain body linear acceleration Jerk signal's Mean value in Z-direction
52. std_frequency_body_acceleration_jerk_X
type: numerical
frequency domain body linear acceleration Jerk signal's Standard deviation in X-direction
53. std_frequency_body_acceleration_jerk_Y
type: numerical
frequency domain body linear acceleration Jerk signal's Standard deviation in Y-direction
54. std_frequency_body_acceleration_jerk_Z
type: numerical
frequency domain body linear acceleration Jerk signal's Standard deviation in Z-direction
55. mean_frequency_body_gyroscope_X
type: numerical
frequency domain body gyroscope angular velocity's Mean value in X-direction
56. mean_frequency_body_gyroscope_Y
type: numerical
frequency domain body gyroscope angular velocity's Mean value in Y-direction
57. mean_frequency_body_gyroscope_Z
type: numerical
frequency domain body gyroscope angular velocity's Mean value in Z-direction
58. std_frequency_body_gyroscope_X
type: numerical
frequency domain body gyroscope angular velocity's Standard deviation in X-direction
59. std_frequency_body_gyroscope_Y
type: numerical
frequency domain body gyroscope angular velocity's Standard deviation in Y-direction
60. std_frequency_body_gyroscope_Z
type: numerical
frequency domain body gyroscope angular velocity's Standard deviation in Z-direction
61. mean_frequency_body_acceleration_magnitude
type: numerical
frequency domain body linear acceleration signal magnitude's Mean value
62. std_frequency_body_acceleration_magnitude
type: numerical
frequency domain body linear acceleration signal magnitude's Standard deviation
63. mean_frequency_body_acceleration_jerk_magnitude
type: numerical
frequency domain body linear acceleration Jerk signal magnitude's Mean value
64. std_frequency_body_acceleration_jerk_magnitude
type: numerical
frequency domain body linear acceleration Jerk signal magnitude's Standard deviation
65. mean_frequency_body_gyroscope_magnitude
type: numerical
frequency domain body gyroscope angular velocity magnitude's Mean value
66. std_frequency_body_gyroscope_magnitude
type: numerical

frequency domain body gyroscope angular velocity magnitude's Standard deviation

67. mean_frequency_body_gyroscope_jerk_magnitude
    type: numerical
    frequency domain body gyroscope angular velocity Jerk signal magnitude's Mean value
68. std_frequency_body_gyroscope_jerk_magnitude
    type: numerical
    frequency domain body gyroscope angular velocity Jerk signal magnitude's Standard deviation