

## DATA DICTIONARY - 2016 GETTING AND CLEANING DATA COURSE PROJECT

```
1 tBodyAcc-mean()-X
2 tBodyAcc-mean()-Y
3 tBodyAcc-mean()-Z
4 tBodyAcc-std()-X
5 tBodyAcc-std()-Y
6 tBodyAcc-std()-Z
7 tBodyAcc-mad()-X
8 tBodyAcc-mad()-Y
9 tBodyAcc-mad()-Z
10 tBodyAcc-max()-X
11 tBodyAcc-max()-Y
12 tBodyAcc-max()-Z
13 tBodyAcc-min()-X
14 tBodyAcc-min()-Y
15 tBodyAcc-min()-Z
16 tBodyAcc-sma()
17 tBodyAcc-energy()-X
18 tBodyAcc-energy()-Y
19 tBodyAcc-energy()-Z
20 tBodyAcc-iqr()-X
21 tBodyAcc-iqr()-Y
22 tBodyAcc-iqr()-Z
23 tBodyAcc-entropy()-X
24 tBodyAcc-entropy()-Y
25 tBodyAcc-entropy()-Z
26 tBodyAcc-arCoeff()-X,1
27 tBodyAcc-arCoeff()-X,2
28 tBodyAcc-arCoeff()-X,3
29 tBodyAcc-arCoeff()-X,4
30 tBodyAcc-arCoeff()-Y,1
31 tBodyAcc-arCoeff()-Y,2
32 tBodyAcc-arCoeff()-Y,3
33 tBodyAcc-arCoeff()-Y,4
34 tBodyAcc-arCoeff()-Z,1
35 tBodyAcc-arCoeff()-Z,2
36 tBodyAcc-arCoeff()-Z,3
37 tBodyAcc-arCoeff()-Z,4
38 tBodyAcc-correlation()-X,Y
39 tBodyAcc-correlation()-X,Z
40 tBodyAcc-correlation()-Y,Z
41 tGravityAcc-mean()-X
42 tGravityAcc-mean()-Y
43 tGravityAcc-mean()-Z
44 tGravityAcc-std()-X
45 tGravityAcc-std()-Y
46 tGravityAcc-std()-Z
47 tGravityAcc-mad()-X
48 tGravityAcc-mad()-Y
49 tGravityAcc-mad()-Z
50 tGravityAcc-max()-X
51 tGravityAcc-max()-Y
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52 tGravityAcc-max()-Z
53 tGravityAcc-min()-X
54 tGravityAcc-min()-Y
55 tGravityAcc-min()-Z
56 tGravityAcc-sma()
57 tGravityAcc-energy()-X
58 tGravityAcc-energy()-Y
59 tGravityAcc-energy()-Z
60 tGravityAcc-iqr()-X
61 tGravityAcc-iqr()-Y
62 tGravityAcc-iqr()-Z
63 tGravityAcc-entropy()-X
64 tGravityAcc-entropy()-Y
65 tGravityAcc-entropy()-Z
66 tGravityAcc-arCoeff()-X,1
67 tGravityAcc-arCoeff()-X,2
68 tGravityAcc-arCoeff()-X,3
69 tGravityAcc-arCoeff()-X,4
70 tGravityAcc-arCoeff()-Y,1
71 tGravityAcc-arCoeff()-Y,2
72 tGravityAcc-arCoeff()-Y,3
73 tGravityAcc-arCoeff()-Y,4
74 tGravityAcc-arCoeff()-Z,1
75 tGravityAcc-arCoeff()-Z,2
76 tGravityAcc-arCoeff()-Z,3
77 tGravityAcc-arCoeff()-Z,4
78 tGravityAcc-correlation()-X,Y
79 tGravityAcc-correlation()-X,Z
80 tGravityAcc-correlation()-Y,Z
81 tBodyAccJerk-mean()-X
82 tBodyAccJerk-mean()-Y
83 tBodyAccJerk-mean()-Z
84 tBodyAccJerk-std()-X
85 tBodyAccJerk-std()-Y
86 tBodyAccJerk-std()-Z
87 tBodyAccJerk-mad()-X
88 tBodyAccJerk-mad()-Y
89 tBodyAccJerk-mad()-Z
90 tBodyAccJerk-max()-X
91 tBodyAccJerk-max()-Y
92 tBodyAccJerk-max()-Z
93 tBodyAccJerk-min()-X
94 tBodyAccJerk-min()-Y
95 tBodyAccJerk-min()-Z
96 tBodyAccJerk-sma()
97 tBodyAccJerk-energy()-X
98 tBodyAccJerk-energy()-Y
99 tBodyAccJerk-energy()-Z
100 tBodyAccJerk-iqr()-X
101 tBodyAccJerk-iqr()-Y
102 tBodyAccJerk-iqr()-Z
103 tBodyAccJerk-entropy()-X
104 tBodyAccJerk-entropy()-Y
105 tBodyAccJerk-entropy()-Z
```

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106 tBodyAccJerk-arCoeff()-X,1
107 tBodyAccJerk-arCoeff()-X,2
108 tBodyAccJerk-arCoeff()-X,3
109 tBodyAccJerk-arCoeff()-X,4
110 tBodyAccJerk-arCoeff()-Y,1
111 tBodyAccJerk-arCoeff()-Y,2
112 tBodyAccJerk-arCoeff()-Y,3
113 tBodyAccJerk-arCoeff()-Y,4
114 tBodyAccJerk-arCoeff()-Z,1
115 tBodyAccJerk-arCoeff()-Z,2
116 tBodyAccJerk-arCoeff()-Z,3
117 tBodyAccJerk-arCoeff()-Z,4
118 tBodyAccJerk-correlation()-X,Y
119 tBodyAccJerk-correlation()-X,Z
120 tBodyAccJerk-correlation()-Y,Z
121 tBodyGyro-mean()-X
122 tBodyGyro-mean()-Y
123 tBodyGyro-mean()-Z
124 tBodyGyro-std()-X
125 tBodyGyro-std()-Y
126 tBodyGyro-std()-Z
127 tBodyGyro-mad()-X
128 tBodyGyro-mad()-Y
129 tBodyGyro-mad()-Z
130 tBodyGyro-max()-X
131 tBodyGyro-max()-Y
132 tBodyGyro-max()-Z
133 tBodyGyro-min()-X
134 tBodyGyro-min()-Y
135 tBodyGyro-min()-Z
136 tBodyGyro-sma()
137 tBodyGyro-energy()-X
138 tBodyGyro-energy()-Y
139 tBodyGyro-energy()-Z
140 tBodyGyro-iqr()-X
141 tBodyGyro-iqr()-Y
142 tBodyGyro-iqr()-Z
143 tBodyGyro-entropy()-X
144 tBodyGyro-entropy()-Y
145 tBodyGyro-entropy()-Z
146 tBodyGyro-arCoeff()-X,1
147 tBodyGyro-arCoeff()-X,2
148 tBodyGyro-arCoeff()-X,3
149 tBodyGyro-arCoeff()-X,4
150 tBodyGyro-arCoeff()-Y,1
151 tBodyGyro-arCoeff()-Y,2
152 tBodyGyro-arCoeff()-Y,3
153 tBodyGyro-arCoeff()-Y,4
154 tBodyGyro-arCoeff()-Z,1
155 tBodyGyro-arCoeff()-Z,2
156 tBodyGyro-arCoeff()-Z,3
157 tBodyGyro-arCoeff()-Z,4
158 tBodyGyro-correlation()-X,Y
159 tBodyGyro-correlation()-X,Z
```

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160 tBodyGyro-correlation() -Y, Z
161 tBodyGyroJerk-mean() -X
162 tBodyGyroJerk-mean() -Y
163 tBodyGyroJerk-mean() -Z
164 tBodyGyroJerk-std() -X
165 tBodyGyroJerk-std() -Y
166 tBodyGyroJerk-std() -Z
167 tBodyGyroJerk-mad() -X
168 tBodyGyroJerk-mad() -Y
169 tBodyGyroJerk-mad() -Z
170 tBodyGyroJerk-max() -X
171 tBodyGyroJerk-max() -Y
172 tBodyGyroJerk-max() -Z
173 tBodyGyroJerk-min() -X
174 tBodyGyroJerk-min() -Y
175 tBodyGyroJerk-min() -Z
176 tBodyGyroJerk-sma()
177 tBodyGyroJerk-energy() -X
178 tBodyGyroJerk-energy() -Y
179 tBodyGyroJerk-energy() -Z
180 tBodyGyroJerk-iqr() -X
181 tBodyGyroJerk-iqr() -Y
182 tBodyGyroJerk-iqr() -Z
183 tBodyGyroJerk-entropy() -X
184 tBodyGyroJerk-entropy() -Y
185 tBodyGyroJerk-entropy() -Z
186 tBodyGyroJerk-arCoeff() -X, 1
187 tBodyGyroJerk-arCoeff() -X, 2
188 tBodyGyroJerk-arCoeff() -X, 3
189 tBodyGyroJerk-arCoeff() -X, 4
190 tBodyGyroJerk-arCoeff() -Y, 1
191 tBodyGyroJerk-arCoeff() -Y, 2
192 tBodyGyroJerk-arCoeff() -Y, 3
193 tBodyGyroJerk-arCoeff() -Y, 4
194 tBodyGyroJerk-arCoeff() -Z, 1
195 tBodyGyroJerk-arCoeff() -Z, 2
196 tBodyGyroJerk-arCoeff() -Z, 3
197 tBodyGyroJerk-arCoeff() -Z, 4
198 tBodyGyroJerk-correlation() -X, Y
199 tBodyGyroJerk-correlation() -X, Z
200 tBodyGyroJerk-correlation() -Y, Z
201 tBodyAccMag-mean()
202 tBodyAccMag-std()
203 tBodyAccMag-mad()
204 tBodyAccMag-max()
205 tBodyAccMag-min()
206 tBodyAccMag-sma()
207 tBodyAccMag-energy()
208 tBodyAccMag-iqr()
209 tBodyAccMag-entropy()
210 tBodyAccMag-arCoeff() 1
211 tBodyAccMag-arCoeff() 2
212 tBodyAccMag-arCoeff() 3
213 tBodyAccMag-arCoeff() 4
```

```
214 tGravityAccMag-mean()
215 tGravityAccMag-std()
216 tGravityAccMag-mad()
217 tGravityAccMag-max()
218 tGravityAccMag-min()
219 tGravityAccMag-sma()
220 tGravityAccMag-energy()
221 tGravityAccMag-iqr()
222 tGravityAccMag-entropy()
223 tGravityAccMag-arCoeff()1
224 tGravityAccMag-arCoeff()2
225 tGravityAccMag-arCoeff()3
226 tGravityAccMag-arCoeff()4
227 tBodyAccJerkMag-mean()
228 tBodyAccJerkMag-std()
229 tBodyAccJerkMag-mad()
230 tBodyAccJerkMag-max()
231 tBodyAccJerkMag-min()
232 tBodyAccJerkMag-sma()
233 tBodyAccJerkMag-energy()
234 tBodyAccJerkMag-iqr()
235 tBodyAccJerkMag-entropy()
236 tBodyAccJerkMag-arCoeff()1
237 tBodyAccJerkMag-arCoeff()2
238 tBodyAccJerkMag-arCoeff()3
239 tBodyAccJerkMag-arCoeff()4
240 tBodyGyroMag-mean()
241 tBodyGyroMag-std()
242 tBodyGyroMag-mad()
243 tBodyGyroMag-max()
244 tBodyGyroMag-min()
245 tBodyGyroMag-sma()
246 tBodyGyroMag-energy()
247 tBodyGyroMag-iqr()
248 tBodyGyroMag-entropy()
249 tBodyGyroMag-arCoeff()1
250 tBodyGyroMag-arCoeff()2
251 tBodyGyroMag-arCoeff()3
252 tBodyGyroMag-arCoeff()4
253 tBodyGyroJerkMag-mean()
254 tBodyGyroJerkMag-std()
255 tBodyGyroJerkMag-mad()
256 tBodyGyroJerkMag-max()
257 tBodyGyroJerkMag-min()
258 tBodyGyroJerkMag-sma()
259 tBodyGyroJerkMag-energy()
260 tBodyGyroJerkMag-iqr()
261 tBodyGyroJerkMag-entropy()
262 tBodyGyroJerkMag-arCoeff()1
263 tBodyGyroJerkMag-arCoeff()2
264 tBodyGyroJerkMag-arCoeff()3
265 tBodyGyroJerkMag-arCoeff()4
266 fBodyAcc-mean()-X
267 fBodyAcc-mean()-Y
```

```
268 fBodyAcc-mean() -Z
269 fBodyAcc-std() -X
270 fBodyAcc-std() -Y
271 fBodyAcc-std() -Z
272 fBodyAcc-mad() -X
273 fBodyAcc-mad() -Y
274 fBodyAcc-mad() -Z
275 fBodyAcc-max() -X
276 fBodyAcc-max() -Y
277 fBodyAcc-max() -Z
278 fBodyAcc-min() -X
279 fBodyAcc-min() -Y
280 fBodyAcc-min() -Z
281 fBodyAcc-sma()
282 fBodyAcc-energy() -X
283 fBodyAcc-energy() -Y
284 fBodyAcc-energy() -Z
285 fBodyAcc-iqr() -X
286 fBodyAcc-iqr() -Y
287 fBodyAcc-iqr() -Z
288 fBodyAcc-entropy() -X
289 fBodyAcc-entropy() -Y
290 fBodyAcc-entropy() -Z
291 fBodyAcc-maxInds-X
292 fBodyAcc-maxInds-Y
293 fBodyAcc-maxInds-Z
294 fBodyAcc-meanFreq() -X
295 fBodyAcc-meanFreq() -Y
296 fBodyAcc-meanFreq() -Z
297 fBodyAcc-skewness() -X
298 fBodyAcc-kurtosis() -X
299 fBodyAcc-skewness() -Y
300 fBodyAcc-kurtosis() -Y
301 fBodyAcc-skewness() -Z
302 fBodyAcc-kurtosis() -Z
303 fBodyAcc-bandsEnergy() -1, 8
304 fBodyAcc-bandsEnergy() -9, 16
305 fBodyAcc-bandsEnergy() -17, 24
306 fBodyAcc-bandsEnergy() -25, 32
307 fBodyAcc-bandsEnergy() -33, 40
308 fBodyAcc-bandsEnergy() -41, 48
309 fBodyAcc-bandsEnergy() -49, 56
310 fBodyAcc-bandsEnergy() -57, 64
311 fBodyAcc-bandsEnergy() -1, 16
312 fBodyAcc-bandsEnergy() -17, 32
313 fBodyAcc-bandsEnergy() -33, 48
314 fBodyAcc-bandsEnergy() -49, 64
315 fBodyAcc-bandsEnergy() -1, 24
316 fBodyAcc-bandsEnergy() -25, 48
317 fBodyAcc-bandsEnergy() -1, 8
318 fBodyAcc-bandsEnergy() -9, 16
319 fBodyAcc-bandsEnergy() -17, 24
320 fBodyAcc-bandsEnergy() -25, 32
321 fBodyAcc-bandsEnergy() -33, 40
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322 fBodyAcc-bandsEnergy() -41,48  
323 fBodyAcc-bandsEnergy() -49,56  
324 fBodyAcc-bandsEnergy() -57,64  
325 fBodyAcc-bandsEnergy() -1,16  
326 fBodyAcc-bandsEnergy() -17,32  
327 fBodyAcc-bandsEnergy() -33,48  
328 fBodyAcc-bandsEnergy() -49,64  
329 fBodyAcc-bandsEnergy() -1,24  
330 fBodyAcc-bandsEnergy() -25,48  
331 fBodyAcc-bandsEnergy() -1,8  
332 fBodyAcc-bandsEnergy() -9,16  
333 fBodyAcc-bandsEnergy() -17,24  
334 fBodyAcc-bandsEnergy() -25,32  
335 fBodyAcc-bandsEnergy() -33,40  
336 fBodyAcc-bandsEnergy() -41,48  
337 fBodyAcc-bandsEnergy() -49,56  
338 fBodyAcc-bandsEnergy() -57,64  
339 fBodyAcc-bandsEnergy() -1,16  
340 fBodyAcc-bandsEnergy() -17,32  
341 fBodyAcc-bandsEnergy() -33,48  
342 fBodyAcc-bandsEnergy() -49,64  
343 fBodyAcc-bandsEnergy() -1,24  
344 fBodyAcc-bandsEnergy() -25,48  
345 fBodyAccJerk-mean() -X  
346 fBodyAccJerk-mean() -Y  
347 fBodyAccJerk-mean() -Z  
348 fBodyAccJerk-std() -X  
349 fBodyAccJerk-std() -Y  
350 fBodyAccJerk-std() -Z  
351 fBodyAccJerk-mad() -X  
352 fBodyAccJerk-mad() -Y  
353 fBodyAccJerk-mad() -Z  
354 fBodyAccJerk-max() -X  
355 fBodyAccJerk-max() -Y  
356 fBodyAccJerk-max() -Z  
357 fBodyAccJerk-min() -X  
358 fBodyAccJerk-min() -Y  
359 fBodyAccJerk-min() -Z  
360 fBodyAccJerk-sma()  
361 fBodyAccJerk-energy() -X  
362 fBodyAccJerk-energy() -Y  
363 fBodyAccJerk-energy() -Z  
364 fBodyAccJerk-iqr() -X  
365 fBodyAccJerk-iqr() -Y  
366 fBodyAccJerk-iqr() -Z  
367 fBodyAccJerk-entropy() -X  
368 fBodyAccJerk-entropy() -Y  
369 fBodyAccJerk-entropy() -Z  
370 fBodyAccJerk-maxInds-X  
371 fBodyAccJerk-maxInds-Y  
372 fBodyAccJerk-maxInds-Z  
373 fBodyAccJerk-meanFreq() -X  
374 fBodyAccJerk-meanFreq() -Y  
375 fBodyAccJerk-meanFreq() -Z

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376 fBodyAccJerk-skewness()-X
377 fBodyAccJerk-kurtosis()-X
378 fBodyAccJerk-skewness()-Y
379 fBodyAccJerk-kurtosis()-Y
380 fBodyAccJerk-skewness()-Z
381 fBodyAccJerk-kurtosis()-Z
382 fBodyAccJerk-bandsEnergy()-1,8
383 fBodyAccJerk-bandsEnergy()-9,16
384 fBodyAccJerk-bandsEnergy()-17,24
385 fBodyAccJerk-bandsEnergy()-25,32
386 fBodyAccJerk-bandsEnergy()-33,40
387 fBodyAccJerk-bandsEnergy()-41,48
388 fBodyAccJerk-bandsEnergy()-49,56
389 fBodyAccJerk-bandsEnergy()-57,64
390 fBodyAccJerk-bandsEnergy()-1,16
391 fBodyAccJerk-bandsEnergy()-17,32
392 fBodyAccJerk-bandsEnergy()-33,48
393 fBodyAccJerk-bandsEnergy()-49,64
394 fBodyAccJerk-bandsEnergy()-1,24
395 fBodyAccJerk-bandsEnergy()-25,48
396 fBodyAccJerk-bandsEnergy()-1,8
397 fBodyAccJerk-bandsEnergy()-9,16
398 fBodyAccJerk-bandsEnergy()-17,24
399 fBodyAccJerk-bandsEnergy()-25,32
400 fBodyAccJerk-bandsEnergy()-33,40
401 fBodyAccJerk-bandsEnergy()-41,48
402 fBodyAccJerk-bandsEnergy()-49,56
403 fBodyAccJerk-bandsEnergy()-57,64
404 fBodyAccJerk-bandsEnergy()-1,16
405 fBodyAccJerk-bandsEnergy()-17,32
406 fBodyAccJerk-bandsEnergy()-33,48
407 fBodyAccJerk-bandsEnergy()-49,64
408 fBodyAccJerk-bandsEnergy()-1,24
409 fBodyAccJerk-bandsEnergy()-25,48
410 fBodyAccJerk-bandsEnergy()-1,8
411 fBodyAccJerk-bandsEnergy()-9,16
412 fBodyAccJerk-bandsEnergy()-17,24
413 fBodyAccJerk-bandsEnergy()-25,32
414 fBodyAccJerk-bandsEnergy()-33,40
415 fBodyAccJerk-bandsEnergy()-41,48
416 fBodyAccJerk-bandsEnergy()-49,56
417 fBodyAccJerk-bandsEnergy()-57,64
418 fBodyAccJerk-bandsEnergy()-1,16
419 fBodyAccJerk-bandsEnergy()-17,32
420 fBodyAccJerk-bandsEnergy()-33,48
421 fBodyAccJerk-bandsEnergy()-49,64
422 fBodyAccJerk-bandsEnergy()-1,24
423 fBodyAccJerk-bandsEnergy()-25,48
424 fBodyGyro-mean()-X
425 fBodyGyro-mean()-Y
426 fBodyGyro-mean()-Z
427 fBodyGyro-std()-X
428 fBodyGyro-std()-Y
429 fBodyGyro-std()-Z
```



430 fBodyGyro-mad() -X  
431 fBodyGyro-mad() -Y  
432 fBodyGyro-mad() -Z  
433 fBodyGyro-max() -X  
434 fBodyGyro-max() -Y  
435 fBodyGyro-max() -Z  
436 fBodyGyro-min() -X  
437 fBodyGyro-min() -Y  
438 fBodyGyro-min() -Z  
439 fBodyGyro-sma()  
440 fBodyGyro-energy() -X  
441 fBodyGyro-energy() -Y  
442 fBodyGyro-energy() -Z  
443 fBodyGyro-iqr() -X  
444 fBodyGyro-iqr() -Y  
445 fBodyGyro-iqr() -Z  
446 fBodyGyro-entropy() -X  
447 fBodyGyro-entropy() -Y  
448 fBodyGyro-entropy() -Z  
449 fBodyGyro-maxInds-X  
450 fBodyGyro-maxInds-Y  
451 fBodyGyro-maxInds-Z  
452 fBodyGyro-meanFreq() -X  
453 fBodyGyro-meanFreq() -Y  
454 fBodyGyro-meanFreq() -Z  
455 fBodyGyro-skewness() -X  
456 fBodyGyro-kurtosis() -X  
457 fBodyGyro-skewness() -Y  
458 fBodyGyro-kurtosis() -Y  
459 fBodyGyro-skewness() -Z  
460 fBodyGyro-kurtosis() -Z  
461 fBodyGyro-bandsEnergy() -1, 8  
462 fBodyGyro-bandsEnergy() -9, 16  
463 fBodyGyro-bandsEnergy() -17, 24  
464 fBodyGyro-bandsEnergy() -25, 32  
465 fBodyGyro-bandsEnergy() -33, 40  
466 fBodyGyro-bandsEnergy() -41, 48  
467 fBodyGyro-bandsEnergy() -49, 56  
468 fBodyGyro-bandsEnergy() -57, 64  
469 fBodyGyro-bandsEnergy() -1, 16  
470 fBodyGyro-bandsEnergy() -17, 32  
471 fBodyGyro-bandsEnergy() -33, 48  
472 fBodyGyro-bandsEnergy() -49, 64  
473 fBodyGyro-bandsEnergy() -1, 24  
474 fBodyGyro-bandsEnergy() -25, 48  
475 fBodyGyro-bandsEnergy() -1, 8  
476 fBodyGyro-bandsEnergy() -9, 16  
477 fBodyGyro-bandsEnergy() -17, 24  
478 fBodyGyro-bandsEnergy() -25, 32  
479 fBodyGyro-bandsEnergy() -33, 40  
480 fBodyGyro-bandsEnergy() -41, 48  
481 fBodyGyro-bandsEnergy() -49, 56  
482 fBodyGyro-bandsEnergy() -57, 64  
483 fBodyGyro-bandsEnergy() -1, 16

484 fBodyGyro-bandsEnergy() -17,32  
485 fBodyGyro-bandsEnergy() -33,48  
486 fBodyGyro-bandsEnergy() -49,64  
487 fBodyGyro-bandsEnergy() -1,24  
488 fBodyGyro-bandsEnergy() -25,48  
489 fBodyGyro-bandsEnergy() -1,8  
490 fBodyGyro-bandsEnergy() -9,16  
491 fBodyGyro-bandsEnergy() -17,24  
492 fBodyGyro-bandsEnergy() -25,32  
493 fBodyGyro-bandsEnergy() -33,40  
494 fBodyGyro-bandsEnergy() -41,48  
495 fBodyGyro-bandsEnergy() -49,56  
496 fBodyGyro-bandsEnergy() -57,64  
497 fBodyGyro-bandsEnergy() -1,16  
498 fBodyGyro-bandsEnergy() -17,32  
499 fBodyGyro-bandsEnergy() -33,48  
500 fBodyGyro-bandsEnergy() -49,64  
501 fBodyGyro-bandsEnergy() -1,24  
502 fBodyGyro-bandsEnergy() -25,48  
503 fBodyAccMag-mean()  
504 fBodyAccMag-std()  
505 fBodyAccMag-mad()  
506 fBodyAccMag-max()  
507 fBodyAccMag-min()  
508 fBodyAccMag-sma()  
509 fBodyAccMag-energy()  
510 fBodyAccMag-iqr()  
511 fBodyAccMag-entropy()  
512 fBodyAccMag-maxInds  
513 fBodyAccMag-meanFreq()  
514 fBodyAccMag-skewness()  
515 fBodyAccMag-kurtosis()  
516 fBodyBodyAccJerkMag-mean()  
517 fBodyBodyAccJerkMag-std()  
518 fBodyBodyAccJerkMag-mad()  
519 fBodyBodyAccJerkMag-max()  
520 fBodyBodyAccJerkMag-min()  
521 fBodyBodyAccJerkMag-sma()  
522 fBodyBodyAccJerkMag-energy()  
523 fBodyBodyAccJerkMag-iqr()  
524 fBodyBodyAccJerkMag-entropy()  
525 fBodyBodyAccJerkMag-maxInds  
526 fBodyBodyAccJerkMag-meanFreq()  
527 fBodyBodyAccJerkMag-skewness()  
528 fBodyBodyAccJerkMag-kurtosis()  
529 fBodyBodyGyroMag-mean()  
530 fBodyBodyGyroMag-std()  
531 fBodyBodyGyroMag-mad()  
532 fBodyBodyGyroMag-max()  
533 fBodyBodyGyroMag-min()  
534 fBodyBodyGyroMag-sma()  
535 fBodyBodyGyroMag-energy()  
536 fBodyBodyGyroMag-iqr()  
537 fBodyBodyGyroMag-entropy()

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538 fBodyBodyGyroMag-maxInds
539 fBodyBodyGyroMag-meanFreq()
540 fBodyBodyGyroMag-skewness()
541 fBodyBodyGyroMag-kurtosis()
542 fBodyBodyGyroJerkMag-mean()
543 fBodyBodyGyroJerkMag-std()
544 fBodyBodyGyroJerkMag-mad()
545 fBodyBodyGyroJerkMag-max()
546 fBodyBodyGyroJerkMag-min()
547 fBodyBodyGyroJerkMag-sma()
548 fBodyBodyGyroJerkMag-energy()
549 fBodyBodyGyroJerkMag-iqr()
550 fBodyBodyGyroJerkMag-entropy()
551 fBodyBodyGyroJerkMag-maxInds
552 fBodyBodyGyroJerkMag-meanFreq()
553 fBodyBodyGyroJerkMag-skewness()
554 fBodyBodyGyroJerkMag-kurtosis()
555 angle(tBodyAccMean,gravity)
556 angle(tBodyAccJerkMean),gravityMean)
557 angle(tBodyGyroMean,gravityMean)
558 angle(tBodyGyroJerkMean,gravityMean)
559 angle(X,gravityMean)
560 angle(Y,gravityMean)
561 angle(Z,gravityMean)
```

Notes:

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- Features are normalized and bounded within  $[-1,1]$ .
- Each feature vector is a row on the text file.

For more information about this dataset contact: [voiceccie@qq.com](mailto:voiceccie@qq.com)