**Code Book**

This is the codebook for the project for Week 4.

Following variables have been created in the program –

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| --- | --- | --- |
| **Variable Name** | **Type** | **Purpose** |
| feature\_df | Data Frame | Store Feature List from the experiment |
| activity\_lab\_df | Data Frame | Store activity list along with the names from the experiment |
| X\_df\_test | Data Frame | Test Data for X observations |
| X\_df\_train | Data Frame | Training Data for X observations |
| test\_train\_df | Data frame | Merged data set for X observations for both training and test along with labels |
| test\_train\_df\_mean | Data frame | Mean of all features |
| test\_train\_df\_sd | Data frame | SD of all features |
| Y\_df\_test | Data frame | Testing Data for Y observations which is the activity list |
| test\_df\_FINAL | Data frame | Merged data set of X\_df\_test data frame and Y\_df\_test data frame |
| Y\_df\_train | Data frame | Training Data for Y observations which is the activity list |
| train\_df\_FINAL | Data frame | Merged data set of X\_df\_train data frame and Y\_df\_train data frame |
| test\_train\_with\_activity\_df | Data frame | Merged data set of X observations along with activity and activity names for both training and testing data set |
| output\_bygroup | Tibble | Means by activity group across all features/variables |

Following Variables are involved in the data set for both training and testing

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| --- |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
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| 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 |
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| 403 fBodyAccJerk-bandsEnergy()-57,64 |
| 404 fBodyAccJerk-bandsEnergy()-1,16 |
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| 406 fBodyAccJerk-bandsEnergy()-33,48 |
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| 410 fBodyAccJerk-bandsEnergy()-1,8 |
| 411 fBodyAccJerk-bandsEnergy()-9,16 |
| 412 fBodyAccJerk-bandsEnergy()-17,24 |
| 413 fBodyAccJerk-bandsEnergy()-25,32 |
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| 415 fBodyAccJerk-bandsEnergy()-41,48 |
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| 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 |
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| 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() |
| 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) |