```
% This is the bootstrap script for the entire project,
% run this before anything else.

clear; close all;
rng(0,'twister');

% Global constants
MAX_CLASS = 26;          % # of classes
MAX_TEST_SIZE = 20;      % Test set size
DATA_ROW = 16;           % Data dimension Row
DATA_COLUMN = 8;         % Data dimension Column
DATA_SIZE = DATA_ROW * DATA_COLUMN;   % Data dimension
NoiseMagnitude = 0.01;  % The var. of noise to add when reading
 samples

% Let half of the data be the training set
% The dataset is not uniform, this is the best I can do
TotalSampleCount = [4034 1284 2114 1442 4955 921 2472 861 4913 189 909
 3140 1602 5024 3897 1377 341 2673 1394 2136 2562 664 520 413 1221
 1094];
TrainCount = round(TotalSampleCount./2);
TestCount = TotalSampleCount - TrainCount;

% Limit the test set size to min(MAX_TEST_SIZE, Amount of samples
 left)
TestCount = min(MAX_TEST_SIZE*ones(size(TotalSampleCount)),
 TestCount);

% Storage
TrainSet = cell(1, 1);
TestSet = cell(1, 1);

% Read the dataset
[TrainSet, TestSet] = readSets(MAX_CLASS, TrainCount, TestCount,
 DATA_SIZE, NoiseMagnitude);

% Now, run "GaussianMLE.m" or "GammaMLE.m"
```

Published with MATLAB® R2016a