```matlab
function [TrainSet, TestSet] = readSets(MAX_CLASS, TrainCount, TestCount, DATA_SIZE, Noise)
% READSETS Read the data for all classes
% INPT: MAX_CLASS: The # of classes to process
%    TrainCount: 1xC array. The amount of training sample required for each class
%   TestCount: 1xC array. The amount of testing sample required for each class
%   DATA_SZIE: The dimension of a sample
%   Noise: The magnitude of the variance of a gaussian noise to be added onto each pixel
% OUPT: TrainSet: 1xC cell. Each contains the training dataset of each class
%    TestSet: 1xC cell. Each contains the testing dataset of each class

for i = 1 : MAX_CLASS
 % Open the file containing the dataset of a class
    fileName = sprintf('./data/%c.data', i - 1 + 'a');
    fid = fopen(fileName);

    R = 0;
    TrainMatrix = zeros(TrainCount(i), DATA_SIZE);
    TestMatrix = zeros(TestCount(i), DATA_SIZE);

 % Read a sample from a file until we've reach the designated amount
 % of samples
    while R < TrainCount(i) + TestCount(i)

        R = R + 1;
        % Read a sample
        tempData = readOneLine(fid, Noise);

  % Check EOL, which should never be evaluated true,
  % unless the TrainCount or TestCount is set incorrectly
        if tempData == -1
            break;
        end

        % Store the first MAX_TRAIN_SIZE data as train set
        if R <= TrainCount(i)
            TrainMatrix(R, :) = tempData;
        else
            TestMatrix(R - TrainCount(i), :) = tempData;
        end
    end
    TrainSet{i} = TrainMatrix;
    TestSet{i} = TestMatrix;
    fclose(fid);
end
end

function data = readOneLine(fid, Noise)
```

```matlab
% READONELINE Read one line/sample from file
    tline = fgets(fid);
    if tline == -1
        data = -1;
        return;
    end
    tline = regexprep(tline, ' ', ''); % Remove whitespace
    data = tline - '0';  % ASCII to Int
    data = data(1:end-1); % Remove newline character
    data = data + Noise*randn(size(data)); % Apply gaussian noise
 noise

 % Limit the data range to 0.001 to 1
 % The bottom limit is due to the need of evaluate ln(x)
    data(data>1) = 1;
    data(data<=0) = 0.001;
end
```

Not enough input arguments.

Error in readSets (line 11)
for i = 1 : MAX_CLASS

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