```
>> % Directory containing the files
dataDir = 'C:\Users\ASUS\Documents\Computer Science @Plymuni . NSBM\3rd Year\AI and ML\Coursework\New folder';

% Display directory path
disp(['Checking directory: ', dataDir]);

% Check directory content
disp('Checking directory content...');
dirContent = dir(dataDir);
if isempty(dirContent)
    error('Directory is empty or path is incorrect.');
else
    disp('Files in the directory:');
    disp({dirContent.name});
end

% Filter for .mat files
files = dir(fullfile(dataDir, '*.mat'));
if isempty(files)
    error('No .mat files found in the directory. Please check the file extensions or path.');
else
    disp(['Number of .mat files found: ', num2str(length(files))]);
    disp({files.name});
end

% Initialize variables for statistics
stats_mean = {};
stats_variance = {};
stats_std = {};
user_ids = {};
feature_counts = [];

% Loop through each file
for i = 1:length(files)
    filePath = fullfile(files(i).folder, files(i).name);
    disp(['Processing file: ', files(i).name]);

    % Load the data
    try
        data = load(filePath);
    catch ME
        disp(['Error loading file: ', files(i).name, ' - ', ME.message]);
        continue;
    end

    % Get field names in the .mat file
    featureKey = fieldnames(data);
```

```
    if isempty(featureKey)
        disp(['Skipping file: ', files(i).name, ' - No fields found in the data.']);
        continue;
    end
    disp(['Fields in the file: ', files(i).name]);
    disp(featureKey);

    % Access the first field (assuming it contains features)
    try
        features = data.(featureKey{1}); % Adjust if necessary
    catch
        disp(['Skipping file: ', files(i).name, ' - Unable to access the first↙
field.']);
        continue;
    end

    % Validate features
    if isempty(features) || ~isnumeric(features)
        disp(['Skipping file: ', files(i).name, ' - Data is empty or not numeric.']);
        continue;
    end

    % Extract user ID
    [~, fileName, ~] = fileparts(files(i).name);
    user_id = fileName(1:3); % e.g., 'U01'
    user_ids = [user_ids; user_id];
    feature_counts = [feature_counts; size(features, 2)];

    % Calculate statistics
    stats_mean{end+1} = mean(features, 1); % Store as cell array
    stats_variance{end+1} = var(features, 0, 1);
    stats_std{end+1} = std(features, 0, 1);
end

% Group statistics by feature count
unique_feature_counts = unique(feature_counts);
for u = 1:length(unique_feature_counts)
    count = unique_feature_counts(u);
    disp(['Statistics for files with ', num2str(count), ' features:']);

    % Filter stats for this feature group
    group_idx = (feature_counts == count);

    % Concatenate statistics for this group
    group_mean = vertcat(stats_mean{group_idx});
    group_variance = vertcat(stats_variance{group_idx});
    group_std = vertcat(stats_std{group_idx});

    % Display as tables
```

```
    meanTable = array2table(group_mean, ...
        'VariableNames', strcat('Feature_', string(1:count)));
    varianceTable = array2table(group_variance, ...
        'VariableNames', strcat('Feature_', string(1:count)));
    stdTable = array2table(group_std, ...
        'VariableNames', strcat('Feature_', string(1:count)));

    disp('Mean Statistics:');
    disp(meanTable);
    disp('Variance Statistics:');
    disp(varianceTable);
    disp('Standard Deviation Statistics:');
    disp(stdTable);
end
Checking directory: C:\Users\ASUS\Documents\Computer Science @Plymuni . NSBM\3rd ↙
Year\AI and ML\Coursework\New folder
Checking directory content...
Files in the directory:
  Columns 1 through 5

    {'.'}    {'..'}    {'U01_Acc_FreqD_F...'}    {'U01_Acc_FreqD_M...'} ↙
{'U01_Acc_TimeD_F...'}

  Columns 6 through 9

    {'U01_Acc_TimeD_F...'}    {'U01_Acc_TimeD_F...'}    {'U01_Acc_TimeD_M...'} ↙
{'U02_Acc_FreqD_F...'}

  Columns 10 through 13

    {'U02_Acc_FreqD_M...'}    {'U02_Acc_TimeD_F...'}    {'U02_Acc_TimeD_F...'} ↙
{'U02_Acc_TimeD_F...'}

  Columns 14 through 17

    {'U02_Acc_TimeD_M...'}    {'U03_Acc_FreqD_F...'}    {'U03_Acc_FreqD_M...'} ↙
{'U03_Acc_TimeD_F...'}

  Columns 18 through 21

    {'U03_Acc_TimeD_F...'}    {'U03_Acc_TimeD_F...'}    {'U03_Acc_TimeD_M...'} ↙
{'U04_Acc_FreqD_F...'}

  Columns 22 through 25

    {'U04_Acc_FreqD_M...'}    {'U04_Acc_TimeD_F...'}    {'U04_Acc_TimeD_F...'} ↙
{'U04_Acc_TimeD_F...'}

  Columns 26 through 29
```

```
    {'U04_Acc_TimeD_M...'}    {'U05_Acc_FreqD_F...'}    {'U05_Acc_FreqD_M...'}↙
{'U05_Acc_TimeD_F...'}

  Columns 30 through 33

    {'U05_Acc_TimeD_F...'}    {'U05_Acc_TimeD_F...'}    {'U05_Acc_TimeD_M...'}↙
{'U06_Acc_FreqD_F...'}

  Columns 34 through 37

    {'U06_Acc_FreqD_M...'}    {'U06_Acc_TimeD_F...'}    {'U06_Acc_TimeD_F...'}↙
{'U06_Acc_TimeD_F...'}

  Columns 38 through 41

    {'U06_Acc_TimeD_M...'}    {'U07_Acc_FreqD_F...'}    {'U07_Acc_FreqD_M...'}↙
{'U07_Acc_TimeD_F...'}

  Columns 42 through 45

    {'U07_Acc_TimeD_F...'}    {'U07_Acc_TimeD_F...'}    {'U07_Acc_TimeD_M...'}↙
{'U08_Acc_FreqD_F...'}

  Columns 46 through 49

    {'U08_Acc_FreqD_M...'}    {'U08_Acc_TimeD_F...'}    {'U08_Acc_TimeD_F...'}↙
{'U08_Acc_TimeD_F...'}

  Columns 50 through 53

    {'U08_Acc_TimeD_M...'}    {'U09_Acc_FreqD_F...'}    {'U09_Acc_FreqD_M...'}↙
{'U09_Acc_TimeD_F...'}

  Columns 54 through 57

    {'U09_Acc_TimeD_F...'}    {'U09_Acc_TimeD_F...'}    {'U09_Acc_TimeD_M...'}↙
{'U10_Acc_FreqD_F...'}

  Columns 58 through 61

    {'U10_Acc_FreqD_M...'}    {'U10_Acc_TimeD_F...'}    {'U10_Acc_TimeD_F...'}↙
{'U10_Acc_TimeD_F...'}

  Columns 62 through 63

    {'U10_Acc_TimeD_M...'}    {'matlab.mat'}

Number of .mat files found: 61
```

```
  Columns 1 through 4

    {'U01_Acc_FreqD_F...'}    {'U01_Acc_FreqD_M...'}    {'U01_Acc_TimeD_F...'}↙
{'U01_Acc_TimeD_F...'}

  Columns 5 through 8

    {'U01_Acc_TimeD_F...'}    {'U01_Acc_TimeD_M...'}    {'U02_Acc_FreqD_F...'}↙
{'U02_Acc_FreqD_M...'}

  Columns 9 through 12

    {'U02_Acc_TimeD_F...'}    {'U02_Acc_TimeD_F...'}    {'U02_Acc_TimeD_F...'}↙
{'U02_Acc_TimeD_M...'}

  Columns 13 through 16

    {'U03_Acc_FreqD_F...'}    {'U03_Acc_FreqD_M...'}    {'U03_Acc_TimeD_F...'}↙
{'U03_Acc_TimeD_F...'}

  Columns 17 through 20

    {'U03_Acc_TimeD_F...'}    {'U03_Acc_TimeD_M...'}    {'U04_Acc_FreqD_F...'}↙
{'U04_Acc_FreqD_M...'}

  Columns 21 through 24

    {'U04_Acc_TimeD_F...'}    {'U04_Acc_TimeD_F...'}    {'U04_Acc_TimeD_F...'}↙
{'U04_Acc_TimeD_M...'}

  Columns 25 through 28

    {'U05_Acc_FreqD_F...'}    {'U05_Acc_FreqD_M...'}    {'U05_Acc_TimeD_F...'}↙
{'U05_Acc_TimeD_F...'}

  Columns 29 through 32

    {'U05_Acc_TimeD_F...'}    {'U05_Acc_TimeD_M...'}    {'U06_Acc_FreqD_F...'}↙
{'U06_Acc_FreqD_M...'}

  Columns 33 through 36

    {'U06_Acc_TimeD_F...'}    {'U06_Acc_TimeD_F...'}    {'U06_Acc_TimeD_F...'}↙
{'U06_Acc_TimeD_M...'}

  Columns 37 through 40

    {'U07_Acc_FreqD_F...'}    {'U07_Acc_FreqD_M...'}    {'U07_Acc_TimeD_F...'}↙
{'U07_Acc_TimeD_F...'}
```

```
  Columns 41 through 44

    {'U07_Acc_TimeD_F...'}    {'U07_Acc_TimeD_M...'}    {'U08_Acc_FreqD_F...'}↙
{'U08_Acc_FreqD_M...'}

  Columns 45 through 48

    {'U08_Acc_TimeD_F...'}    {'U08_Acc_TimeD_F...'}    {'U08_Acc_TimeD_F...'}↙
{'U08_Acc_TimeD_M...'}

  Columns 49 through 52

    {'U09_Acc_FreqD_F...'}    {'U09_Acc_FreqD_M...'}    {'U09_Acc_TimeD_F...'}↙
{'U09_Acc_TimeD_F...'}

  Columns 53 through 56

    {'U09_Acc_TimeD_F...'}    {'U09_Acc_TimeD_M...'}    {'U10_Acc_FreqD_F...'}↙
{'U10_Acc_FreqD_M...'}

  Columns 57 through 60

    {'U10_Acc_TimeD_F...'}    {'U10_Acc_TimeD_F...'}    {'U10_Acc_TimeD_F...'}↙
{'U10_Acc_TimeD_M...'}

  Column 61

    {'matlab.mat'}

Processing file: U01_Acc_FreqD_FDay.mat
Fields in the file: U01_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U01_Acc_FreqD_MDay.mat
Fields in the file: U01_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U01_Acc_TimeD_FDay.mat
Fields in the file: U01_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U01_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U01_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U01_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U01_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}
```

```
Processing file: U01_Acc_TimeD_MDay.mat
Fields in the file: U01_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U02_Acc_FreqD_FDay.mat
Fields in the file: U02_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U02_Acc_FreqD_MDay.mat
Fields in the file: U02_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U02_Acc_TimeD_FDay.mat
Fields in the file: U02_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U02_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U02_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U02_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U02_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U02_Acc_TimeD_MDay.mat
Fields in the file: U02_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U03_Acc_FreqD_FDay.mat
Fields in the file: U03_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U03_Acc_FreqD_MDay.mat
Fields in the file: U03_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U03_Acc_TimeD_FDay.mat
Fields in the file: U03_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U03_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U03_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U03_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U03_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}
```

```
Processing file: U03_Acc_TimeD_MDay.mat
Fields in the file: U03_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U04_Acc_FreqD_FDay.mat
Fields in the file: U04_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U04_Acc_FreqD_MDay.mat
Fields in the file: U04_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U04_Acc_TimeD_FDay.mat
Fields in the file: U04_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U04_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U04_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U04_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U04_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U04_Acc_TimeD_MDay.mat
Fields in the file: U04_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U05_Acc_FreqD_FDay.mat
Fields in the file: U05_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U05_Acc_FreqD_MDay.mat
Fields in the file: U05_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U05_Acc_TimeD_FDay.mat
Fields in the file: U05_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U05_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U05_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U05_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U05_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U05_Acc_TimeD_MDay.mat
```

```
Fields in the file: U05_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U06_Acc_FreqD_FDay.mat
Fields in the file: U06_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U06_Acc_FreqD_MDay.mat
Fields in the file: U06_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U06_Acc_TimeD_FDay.mat
Fields in the file: U06_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U06_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U06_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U06_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U06_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U06_Acc_TimeD_MDay.mat
Fields in the file: U06_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U07_Acc_FreqD_FDay.mat
Fields in the file: U07_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U07_Acc_FreqD_MDay.mat
Fields in the file: U07_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U07_Acc_TimeD_FDay.mat
Fields in the file: U07_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U07_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U07_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U07_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U07_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U07_Acc_TimeD_MDay.mat
Fields in the file: U07_Acc_TimeD_MDay.mat
```

```
    {'Acc_TD_Feat_Vec'}

Processing file: U08_Acc_FreqD_FDay.mat
Fields in the file: U08_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U08_Acc_FreqD_MDay.mat
Fields in the file: U08_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U08_Acc_TimeD_FDay.mat
Fields in the file: U08_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U08_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U08_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U08_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U08_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U08_Acc_TimeD_MDay.mat
Fields in the file: U08_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U09_Acc_FreqD_FDay.mat
Fields in the file: U09_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U09_Acc_FreqD_MDay.mat
Fields in the file: U09_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U09_Acc_TimeD_FDay.mat
Fields in the file: U09_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U09_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U09_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U09_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U09_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U09_Acc_TimeD_MDay.mat
Fields in the file: U09_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}
```

```
Processing file: U10_Acc_FreqD_FDay.mat
Fields in the file: U10_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U10_Acc_FreqD_MDay.mat
Fields in the file: U10_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U10_Acc_TimeD_FDay.mat
Fields in the file: U10_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U10_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U10_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U10_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U10_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U10_Acc_TimeD_MDay.mat
Fields in the file: U10_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: matlab.mat
Fields in the file: matlab.mat
    {'a'                   }
    {'accuracy'            }
    {'activation_functions' }
    {'best_accuracy'       }
    {'best_net'            }
    {'count'               }
    {'data'                }
    {'dataDir'             }
    {'data_groups'         }
    {'dataset'             }
    {'dirContent'          }
    {'featureKey'          }
    {'feature_count'       }
    {'feature_counts'      }
    {'feature_keys'        }
    {'features'            }
    {'fileName'            }
    {'filePath'            }
    {'files'               }
    {'group_idx'           }
    {'group_mean'          }
    {'group_std'           }
```

```
    {'group_variance'       }
    {'h'                    }
    {'hidden_layer_sizes'   }
    {'i'                    }
    {'k'                    }
    {'labels'               }
    {'meanTable'            }
    {'n_features'           }
    {'n_samples'            }
    {'n_train'              }
    {'net'                  }
    {'perm'                 }
    {'predictions'          }
    {'stats_mean'           }
    {'stats_std'            }
    {'stats_variance'       }
    {'stdTable'             }
    {'test_data'            }
    {'test_labels'          }
    {'train_data'           }
    {'train_labels'         }
    {'train_ratio'          }
    {'u'                    }
    {'unique_feature_counts'}
    {'user_id'              }
    {'user_ids'             }
    {'varianceTable'        }

Statistics for files with 1 features:
Mean Statistics:
    Feature_1
    _________

        1

Variance Statistics:
    Feature_1
    _________

        0

Standard Deviation Statistics:
    Feature_1
    _________

        0

Statistics for files with 43 features:
Mean Statistics:
```

```
    Feature_1    Feature_2    Feature_3    Feature_4    Feature_5    Feature_6 ↙
Feature_7    Feature_8    Feature_9    Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43

    _________    _________    _________    _________    _________    _________ ↙
_________    __________    _________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________

     0.006874     0.27281     0.058344      0.92163     0.00038047     0.05804 ↙
0.0033717    0.00070727     0.010109     0.92125         0.00115     0.35843 ↙
0.968        0.98917      0.00051832    0.00070727    0.0037448      0.29028 ↙
0.018733      0.27769      0.00023678      0.05804     0.00034041    0.00039354 ↙
0.0052644      0.27745      0.00080958      0.9843      0.00028669    0.00039354 ↙
0.0036643      0.32774        0.02285       0.35305     0.00025781      0.05804 ↙
0.00051114    0.00038329    0.0052378        0.3528     0.00062174    0.00028429 ↙
0.00038329
    0.0070351     0.28653     0.058898      0.92769     0.00038423    0.058583 ↙
0.0034346    0.00059808     0.010463      0.9273       0.0011762      0.3578 ↙
0.96683       0.98663      0.00042505    0.00059808    0.0034694       0.2601 ↙
0.017202      0.25418      0.00021894     0.058583     0.00028894      0.000342 ↙
0.0049358      0.25396       0.0006367     0.98423      0.00024918      0.000342 ↙
0.0035306      0.31841        0.02226       0.34363      0.0001984     0.058583 ↙
0.00048587    0.00030405     0.005164       0.34344     0.00053952    0.00022152 ↙
0.00030405
    0.0077473     0.20322     0.062518      0.98624     0.00037952    0.062148 ↙
0.0038651    0.00062364     0.011529     0.98586       0.0011766     0.37939 ↙
0.98071       0.58391      0.00044959    0.00062364    0.0047749       0.43996 ↙
0.027952      0.42294      0.00031426     0.062148     0.00076271    0.00051704 ↙
0.0068134      0.42263      0.00085643     0.71389      0.00037861    0.00051704 ↙
0.0031683      0.15542       0.010217      0.089908     0.00032906     0.062148 ↙
9.5299e-05    0.00051497    0.0041956      0.089579     0.00078786    0.00038035 ↙
0.00051497
    0.0079801     0.16974     0.064184        1.0115     0.00042215    0.063803 ↙
0.0040721    0.00064993     0.011852      1.0111       0.0013321     0.39083 ↙
0.96463       0.28705      0.00046571    0.00064993    0.0050865       0.49981 ↙
0.029747      0.43792      0.00030963     0.063803     0.00086236    0.00048934 ↙
0.0073855      0.43762      0.00083891     0.50555      0.00035912    0.00048934 ↙
0.0028052      0.12833      0.0091264      0.082035     0.00026571     0.063803 ↙
7.6113e-05    0.00043916    0.0037359       0.08177     0.00066162     0.0003277 ↙
0.00043916
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     0.008416     0.43416     0.060571       0.9334     0.00057692     0.06009 ↙
0.0036116    0.00089112     0.012391     0.93283       0.0014891     0.36788 ↙
0.99507       0.93088      0.00064217    0.00089112    0.0038541      0.36628 ↙
0.024816      0.38064      0.00021485      0.06009     0.00060409    0.00034601 ↙
0.00563      0.38043      0.00059823     0.94844      0.00024947    0.00034601 ↙
0.0035024       0.2375       0.014871       0.20141     0.00028736      0.06009 ↙
0.00021221    0.00043475    0.0048882       0.20113     0.00068251    0.00031915 ↙
0.00043475
    0.0081367     0.40058     0.061186      0.94517     0.00039925    0.060749 ↙
0.0036919    0.00073549     0.012257     0.94477       0.0012516     0.37226 ↙
0.99112       0.84126      0.00053251    0.00073549    0.0040293      0.39853 ↙
0.026297       0.4013      0.00017109     0.060749     0.00067869    0.00026987 ↙
0.0060528      0.40113      0.00052774     0.88203      0.00019514    0.00026987 ↙
0.0035165      0.22552       0.013362       0.15434     0.00023716     0.060749 ↙
0.00016814     0.0003654    0.0050072        0.1541     0.00066123    0.00026601 ↙
0.0003654
    0.0067028    0.083111     0.063405       1.0075     0.00029104    0.063164 ↙
0.0039905    0.00044443      0.01026      1.0072       0.0007767     0.38293 ↙
0.97114       0.77911       0.0003245    0.00044443    0.0043319       0.3929 ↙
0.02508      0.37825      0.00026054     0.063164     0.00061433    0.00045493 ↙
0.0061901      0.37799      0.00071018     0.88537      0.00033546    0.00045493 ↙
0.0039464      0.27195       0.015274       0.17582     0.00029857     0.063164 ↙
0.00021975    0.00048827    0.0055499       0.17553     0.00064227    0.00036666 ↙
0.00048827
    0.0069641    0.055247     0.064845       1.0291      0.0002725    0.064586 ↙
0.0041726    0.00046285     0.010652      1.0288       0.0008207     0.38695 ↙
0.95355       0.78215      0.00033917    0.00046285    0.0042222      0.37969 ↙
0.023145      0.33921      0.00027436     0.064586     0.00052335    0.00041086 ↙
0.006094      0.33893      0.00060917     0.91201      0.0003067     0.00041086 ↙
0.0039752      0.27725       0.015601       0.17812     0.0003548      0.064586 ↙
0.00022946    0.00052981     0.005498       0.17776     0.00073675    0.00039567 ↙
0.00052981
    0.0064335     0.14326      0.06129      0.97357      0.0003172    0.061062 ↙
0.0037313    0.00047155    0.0097995     0.97325      0.00071564      0.3616 ↙
0.92722       0.95817      0.00034668    0.00047155     0.002507       0.152 ↙
0.01156      0.16421      0.00017267     0.061062      0.0001285    0.00026438 ↙
0.0035307      0.16404      0.00044437     0.97317      0.00019429    0.00026438 ↙
0.0041955      0.35163       0.021567       0.31813     0.00029995     0.061062 ↙
0.00044925    0.00044208    0.0060129       0.31783     0.00069441    0.00032758 ↙
0.00044208
    0.0070986    0.076223     0.064293       1.0192      0.00031119    0.064016 ↙
0.0041059    0.00049043     0.010785      1.0189       0.0008393     0.37763 ↙
0.82136       0.94814      0.00035746    0.00049043    0.0030866      0.16746 ↙
0.011143      0.13413      0.00019839     0.064016     0.00011699    0.00032105 ↙
0.0043363      0.13393      0.00057175     0.93606       0.0002364    0.00032105 ↙
0.0046482      0.37576       0.021923       0.31776     0.00032948     0.064016 ↙
0.00046805    0.00050875    0.0065559       0.31743     0.00093251    0.00037188 ↙
0.00050875
    0.0066735      0.2235     0.060173      0.95098      0.0003609    0.059909 ↙
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0.0035898    0.00055418     0.010153     0.95062      0.00085932     0.35912 ↙
0.9886         0.9896      0.00040492    0.00055418    0.0026818       0.2273 ↙
0.017016       0.26215      0.00011144     0.059909     0.00028361    0.00018108 ↙
0.0039599       0.26204      0.00047319     0.99049      0.00012504    0.00018108 ↙
0.002961       0.26428       0.019549       0.30373     0.00018457     0.059909 ↙
0.00037894    0.00027799    0.0043057       0.30355     0.00048365    0.00020409 ↙
0.00027799
    0.0066722      0.2353     0.059911      0.94617     0.00034951    0.059647 ↙
0.0035584    0.00054013     0.010138     0.94582      0.00086077     0.35904 ↙
0.98712         0.9889      0.00039307    0.00054013    0.0025774       0.20502 ↙
0.015713       0.24166      0.00016895     0.059647     0.00024141    0.00025398 ↙
0.0036954       0.24149      0.00043479      0.9901      0.00018651    0.00025398 ↙
0.003176       0.29213       0.021208        0.3292     0.0001757      0.059647 ↙
0.00044992    0.00026525    0.0046872       0.32902     0.00046545    0.00019325 ↙
0.00026525
    0.0091768     0.15919     0.067693        1.059     0.00051011    0.067189 ↙
0.0045166     0.0008272     0.013571       1.0585       0.0013899     0.38736 ↙
0.94327        0.30293      0.00059393     0.0008272    0.0042454       0.31213 ↙
0.018505       0.26246      0.00028333     0.067189     0.00032615    0.00044684 ↙
0.0059101       0.26218       0.0010879      0.50081      0.00031515    0.00044684 ↙
0.0029158       0.12052      0.0085482       0.071494     0.00031823     0.067189 ↙
6.546e-05    0.00048164    0.0038077       0.071176     0.00080316    0.00035342 ↙
0.00048164
    0.0091768     0.15919     0.067693        1.059     0.00051011    0.067189 ↙
0.0045166     0.0008272     0.013571       1.0585       0.0013899     0.38736 ↙
0.94327        0.30293      0.00059393     0.0008272    0.0042454       0.31213 ↙
0.018505       0.26246      0.00028333     0.067189     0.00032615    0.00044684 ↙
0.0059101       0.26218       0.0010879      0.50081      0.00031515    0.00044684 ↙
0.0029158       0.12052      0.0085482       0.071494     0.00031823     0.067189 ↙
6.546e-05    0.00048164    0.0038077       0.071176     0.00080316    0.00035342 ↙
0.00048164
    0.0096161      0.1944     0.068224        1.0618     0.00059656    0.067663 ↙
0.0045809    0.00095524     0.013978       1.0612       0.0017959     0.38816 ↙
0.96161        0.44083      0.00067923    0.00095524    0.0033354         0.242 ↙
0.016323       0.23937      0.00025495     0.067663     0.00025753    0.00039082 ↙
0.0046089       0.23912      0.00082444      0.61173      0.00028068    0.00039082 ↙
0.0031319       0.14934      0.0097883       0.083443      0.0003081      0.067663 ↙
8.7901e-05    0.00045932    0.0042089       0.083135     0.00074273    0.00033755 ↙
0.00045932
    0.0091808     0.19768     0.068104        1.0588     0.00044145       0.0676 ↙
0.0045718    0.00077096     0.013694       1.0583       0.0014812     0.38772 ↙
0.96052        0.31155      0.00054495    0.00077096    0.0033992       0.25824 ↙
0.017066       0.24974       0.0002261        0.0676     0.00028115    0.00036357 ↙
0.0047616       0.24952      0.00082665      0.50048      0.00025896    0.00036357 ↙
0.0027903       0.12301      0.0088253        0.07751     0.00030734        0.0676 ↙
7.0634e-05    0.00046714       0.00366       0.077202     0.00069239    0.00034914 ↙
0.00046714
    0.0084245     0.02051     0.068722        1.0834     0.00044609      0.06833 ↙
0.0046724    0.00072084     0.012583        1.083        0.001151     0.39126 ↙
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0.93289       0.20063      0.00052587    0.00072084     0.003635       0.2779 ↙
0.017418      0.24759      0.00025457      0.06833     0.00029243    0.00038527 ↙
0.0051337      0.24734      0.00065368     0.49096      0.00028478    0.00038527 ↙
0.0026466      0.11545      0.0084571      0.075563     0.00022154      0.06833 ↙
6.6638e-05    0.00034564    0.0036341      0.075342     0.00052616     0.0002567 ↙
0.00034564
    0.0090033    0.019729     0.070047       1.1008     0.00046326    0.069594 ↙
0.0048478    0.00073699      0.01339      1.1003       0.0014097     0.39957 ↙
0.90406       0.28318      0.00052432    0.00073699    0.0042088      0.31488 ↙
0.017899      0.24221      0.00027552     0.069594      0.0003077    0.00043486 ↙
0.0059382      0.24194      0.00087263     0.60485       0.0003097    0.00043486 ↙
0.003184       0.1403      0.0093107      0.076978     0.00033963     0.069594 ↙
7.8018e-05     0.0005403    0.0041659      0.076638     0.00075478    0.00040256 ↙
0.0005403
    0.0095363     0.42935     0.063896      0.97845     0.00064693    0.063286 ↙
0.0040086     0.0011718     0.013491       0.9778       0.0025584     0.38429 ↙
0.608        0.9689      0.00081446     0.0011718    0.0045244       0.2813 ↙
0.014794      0.13584       0.0005058     0.063286     0.00020267    0.00079641 ↙
0.0058908      0.13534       0.0011705     0.72022       0.0005883    0.00079641 ↙
0.0044228      0.38979       0.024801       0.37547     0.00027211     0.063286 ↙
0.00059861    0.00045097    0.0063599       0.37519     0.00080109    0.00033178 ↙
0.00045097
      0.00901    -0.39933     0.076912       1.2179     0.00044173    0.076512 ↙
0.0058638    0.00067911     0.013436       1.2175       0.0013799     0.46671 ↙
0.60432       0.94888       0.0004889    0.00067911     0.0075686      0.73269 ↙
0.029067      0.26181      0.00065527     0.076512     0.00079434    0.00098162 ↙
0.010537      0.26115       0.0014432     0.77737      0.00072336    0.00098162 ↙
0.0045584      0.38127       0.022209       0.32186     0.00028408     0.076512 ↙
0.00047377     0.0004633    0.0065446       0.32158     0.00077078    0.00033932 ↙
0.0004633

Variance Statistics:
    Feature_1     Feature_2    Feature_3     Feature_4     Feature_5     Feature_6 ↙
Feature_7     Feature_8     Feature_9     Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43
    __________    _________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
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    1.1719e-06     0.010992    2.8787e-06    0.00097259    9.2147e-08    3.0928e-06 ↙
4.3878e-08    2.9807e-07    9.2567e-07    0.00097577    4.6854e-07    8.7032e-05 ↙
0.00031368    6.3603e-05    1.7428e-07    2.9807e-07    5.6048e-07      0.002334 ↙
2.7942e-06    0.00045223    5.6031e-08    3.0928e-06    3.4229e-09    1.4864e-07 ↙
8.5822e-07    0.00045044    2.5248e-07    5.9409e-05    8.5801e-08    1.4864e-07 ↙
3.9543e-07    0.00039944    8.6874e-07    0.00029547    5.6174e-08    3.0928e-06 ↙
1.8788e-09    1.1011e-07    4.1585e-07    0.00029866    1.6464e-07    6.4354e-08 ↙
1.1011e-07
    9.0157e-07     0.007888    2.6368e-06    0.00081104    1.2614e-07    2.7079e-06 ↙
3.8992e-08    2.4103e-07    7.7482e-07    0.00081306    3.1657e-07    8.0449e-05 ↙
0.00045819    9.0879e-05    1.4531e-07    2.4103e-07    4.8762e-07     0.0032557 ↙
4.5288e-06    0.00082418    3.2561e-08    2.7079e-06    5.3425e-09    6.3502e-08 ↙
1.0283e-06    0.00082545    1.0211e-07    7.3585e-05    3.9257e-08    6.3502e-08 ↙
1.1668e-07     0.0002187    1.0873e-06    0.00038816    1.9833e-08    2.7079e-06 ↙
2.2305e-09    3.8164e-08    3.4216e-07    0.00038923    6.4166e-08    2.3045e-08 ↙
3.8164e-08
    8.3217e-07    0.0068704    2.3786e-06    0.00071292    1.8424e-07    2.7319e-06 ↙
4.0254e-08    3.7162e-07    5.9133e-07    0.00073234    6.3529e-07    8.1777e-05 ↙
3.1021e-05      0.013722    2.1825e-07    3.7162e-07    2.7045e-07    0.00071641 ↙
1.5197e-06    0.00033246    6.9458e-08    2.7319e-06    4.6223e-09    1.5202e-07 ↙
2.1542e-07    0.00033304    2.2585e-07     0.0099839    9.0942e-08    1.5202e-07 ↙
2.0044e-07    0.00047569    8.0471e-07    0.00028043    4.8719e-08    2.7319e-06 ↙
3.2963e-10    1.0215e-07     3.705e-07    0.00028232    1.2235e-07    6.2154e-08 ↙
1.0215e-07
    9.0536e-07     0.007175    1.1692e-06    0.00035508    1.0546e-07    1.3122e-06 ↙
2.1462e-08    2.1393e-07    8.8944e-07    0.00036122      4.67e-07    3.2301e-05 ↙
3.4261e-05      0.013594    1.2314e-07    2.1393e-07    4.8499e-07    0.00034658 ↙
4.6346e-07    0.00013762    6.4488e-08    1.3122e-06    1.7286e-09    1.4748e-07 ↙
4.863e-07    0.00013785    2.3679e-07     0.0094956    8.7657e-08    1.4748e-07 ↙
7.7489e-07     0.0014321    1.1804e-06    0.00018494    4.6717e-08    1.3122e-06 ↙
2.9144e-10     1.161e-07      1.21e-06    0.00018714    1.6729e-07    7.0381e-08 ↙
1.161e-07
    1.2291e-06    0.0070419    7.0953e-07    0.00012768    1.4148e-07    7.8517e-07 ↙
1.1283e-08    2.6255e-07    1.3367e-06    0.00013161    4.4733e-07    2.4922e-05 ↙
3.1987e-06     0.0002523    1.5897e-07    2.6255e-07    2.4695e-07    0.00045841 ↙
9.9851e-07    0.00029231    2.2439e-08    7.8517e-07    2.5097e-09    4.0644e-08 ↙
3.2383e-07    0.00029184    8.5906e-08    0.00027304    2.4866e-08    4.0644e-08 ↙
2.907e-07     0.0013097    2.8661e-06    0.00066608    6.0468e-08    7.8517e-07 ↙
2.4511e-09    1.2155e-07    3.7834e-07     0.0006701    1.5653e-07    7.1678e-08 ↙
1.2155e-07
    1.3559e-06     0.008217    1.3256e-06    0.00052974    1.0639e-07    1.5401e-06 ↙
2.1649e-08     4.184e-07    9.3103e-07    0.00052953    5.7573e-07    2.3859e-05 ↙
3.1948e-05     0.0012684    2.4675e-07     4.184e-07    5.7869e-07     0.0017891 ↙
1.3267e-06    0.00023279    4.0114e-08    1.5401e-06    3.6626e-09    8.2453e-08 ↙
9.4552e-07    0.00023362    1.5826e-07    0.00072228    4.7471e-08    8.2453e-08 ↙
5.0734e-07     0.0015147    1.8553e-06    0.00038377    4.5669e-08    1.5401e-06 ↙
1.7387e-09    9.3557e-08    8.1143e-07    0.00038624    2.2653e-07    5.3963e-08 ↙
9.3557e-08
    9.5932e-07    0.0075849    6.8659e-07    0.00026873    1.0284e-07    8.2123e-07 ↙
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1.294e-08    2.0474e-07    7.9208e-07    0.00027475     2.309e-07    2.6272e-05 ↙
7.3017e-05     0.0046786    1.2088e-07    2.0474e-07    3.2223e-07     0.0013907 ↙
2.0428e-06    0.00038475    4.5418e-08    8.2123e-07    4.9811e-09    1.1869e-07 ↙
5.1227e-07    0.00038414    1.8485e-07     0.0040071    7.1482e-08    1.1869e-07 ↙
5.2098e-07     0.0016127    1.7197e-06    0.00068591    4.4613e-08    8.2123e-07 ↙
1.475e-09    1.2189e-07    1.0393e-06    0.00068591    1.6481e-07    7.1664e-08 ↙
1.2189e-07
     1.328e-06    0.0075177    1.2244e-06    0.00033522    9.6448e-08     1.254e-06 ↙
2.1178e-08    3.6282e-07    8.1826e-07    0.00033928     4.581e-07    4.1354e-05 ↙
0.00019642      0.003287    2.1518e-07    3.6282e-07    3.4764e-07     0.0024877 ↙
3.8842e-06    0.00071753    5.3792e-08     1.254e-06    7.2121e-09    1.0837e-07 ↙
5.4858e-07    0.00071901    1.6486e-07     0.0025769    6.3446e-08    1.0837e-07 ↙
5.4836e-07     0.0011744    1.5469e-06    0.00052657    8.6725e-08     1.254e-06 ↙
1.5558e-09    1.7545e-07    8.8098e-07    0.00052728    2.1529e-07    1.0331e-07 ↙
1.7545e-07
    1.2905e-06    0.0072842    2.9032e-06    0.00073126    1.1441e-07      2.83e-06 ↙
4.3205e-08    2.2719e-07    1.2485e-06    0.00073122    2.9232e-07    8.1538e-05 ↙
0.00089719    9.8072e-05    1.3364e-07    2.2719e-07    2.5104e-07    0.00073576 ↙
9.097e-07    9.5116e-05    2.1251e-08      2.83e-06    4.5237e-10    4.3862e-08 ↙
4.3789e-07    9.4774e-05    6.2522e-08      0.000114    2.5515e-08    4.3862e-08 ↙
3.4348e-07    0.00028932     3.174e-07    0.00013749    4.1247e-08      2.83e-06 ↙
6.9023e-10    8.2595e-08    5.2855e-07    0.00013873    1.2593e-07    4.8657e-08 ↙
8.2595e-08
    1.0033e-06     0.026272    7.8034e-06     0.0026498    9.8288e-08    8.1069e-06 ↙
1.3027e-07    1.9067e-07    1.3499e-06     0.0026545    2.2956e-07    0.00014287 ↙
0.0035204    0.00040084    1.1578e-07    1.9067e-07    3.7335e-07      0.001605 ↙
2.325e-06    0.00030331    3.5686e-08    8.1069e-06    1.0135e-09    6.7801e-08 ↙
5.6775e-07    0.00030347    1.8612e-07    0.00093057    4.0227e-08    6.7801e-08 ↙
8.0472e-07     0.0059753    8.2394e-06     0.0017055    5.0671e-08    8.1069e-06 ↙
2.0895e-08    9.8548e-08    1.4871e-06     0.0016995    2.0467e-07    5.8889e-08 ↙
9.8548e-08
    9.9404e-07    0.0048021    5.3102e-07    0.00018863    1.1445e-07    6.4753e-07 ↙
9.168e-09    2.2536e-07    6.9499e-07    0.00019341    2.7183e-07    9.4696e-06 ↙
5.204e-05    0.00010077      1.33e-07    2.2536e-07    1.3741e-07    0.00019385 ↙
2.8467e-07    7.1788e-05    1.0128e-08    6.4753e-07    3.3265e-10    1.9706e-08 ↙
2.3863e-07    7.2309e-05    5.7147e-08    5.7198e-05    1.1554e-08    1.9706e-08 ↙
3.2431e-07     0.0012739    4.5066e-06     0.0011723    2.2207e-08    6.4753e-07 ↙
7.6339e-09    4.5761e-08    5.2106e-07     0.0011702    7.4627e-08    2.7146e-08 ↙
4.5761e-08
    9.7064e-07    0.0045944    6.3199e-07    0.00019741    1.0485e-07    6.9485e-07 ↙
9.8826e-09    2.0914e-07    8.4053e-07    0.00019977    2.5522e-07    1.0739e-05 ↙
5.6146e-05    0.00013533    1.2362e-07    2.0914e-07     8.372e-08    7.1881e-05 ↙
3.1061e-07    0.00011222    1.4626e-08    6.9485e-07    3.2418e-10    2.9495e-08 ↙
1.3751e-07      0.000112    6.3854e-08    4.7466e-05      1.66e-08    2.9495e-08 ↙
3.0256e-07     0.0022582    9.0319e-06     0.0023627    2.3018e-08    6.9485e-07 ↙
1.5439e-08    4.5878e-08    7.4806e-07      0.002363    5.9311e-08    2.7098e-08 ↙
4.5878e-08
    1.1633e-06     0.013493    2.0712e-06    0.00068751    2.0411e-07    2.3538e-06 ↙
4.2297e-08    4.3761e-07    9.1269e-07    0.00069743    6.3371e-07    6.5141e-05 ↙
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0.00017854      0.010482    2.6503e-07    4.3761e-07    3.2856e-07    0.00075458 ↙
8.045e-07    0.00021602    3.3305e-08    2.3538e-06    1.0156e-09    6.7702e-08 ↙
5.5527e-07    0.00021676    2.3611e-07     0.0085409    3.8009e-08    6.7702e-08 ↙
4.5744e-07    0.00090014    1.1098e-06    0.00018833    4.6511e-08    2.3538e-06 ↙
2.665e-10    9.2457e-08    7.6494e-07    0.00019072    1.1808e-07    5.6012e-08 ↙
9.2457e-08

    1.1633e-06     0.013493    2.0712e-06    0.00068751    2.0411e-07    2.3538e-06 ↙
4.2297e-08    4.3761e-07    9.1269e-07    0.00069743    6.3371e-07    6.5141e-05 ↙
0.00017854      0.010482    2.6503e-07    4.3761e-07    3.2856e-07    0.00075458 ↙
8.045e-07    0.00021602    3.3305e-08    2.3538e-06    1.0156e-09    6.7702e-08 ↙
5.5527e-07    0.00021676    2.3611e-07     0.0085409    3.8009e-08    6.7702e-08 ↙
4.5744e-07    0.00090014    1.1098e-06    0.00018833    4.6511e-08    2.3538e-06 ↙
2.665e-10    9.2457e-08    7.6494e-07    0.00019072    1.1808e-07    5.6012e-08 ↙
9.2457e-08

    1.3495e-06     0.020303    2.2702e-06    0.00098884    2.2623e-07     2.618e-06 ↙
4.6524e-08    4.8344e-07    1.0917e-06    0.00099957    9.4847e-07    6.7954e-05 ↙
0.00019771      0.033392    2.8848e-07    4.8344e-07    2.7842e-07    0.00074619 ↙
1.5168e-06    0.00037423    3.0491e-08     2.618e-06    1.5469e-09    5.7501e-08 ↙
3.4287e-07    0.00037541    1.3895e-07      0.024474    3.4824e-08    5.7501e-08 ↙
5.9729e-07     0.0017911    2.1969e-06    0.00020383     6.703e-08     2.618e-06 ↙
6.7377e-10    1.3109e-07    1.0436e-06    0.00020394     1.724e-07    7.8116e-08 ↙
1.3109e-07

    1.7914e-06     0.014706    1.9106e-06    0.00068955    2.1087e-07    2.1874e-06 ↙
3.9425e-08    5.1515e-07    1.1462e-06    0.00070027     9.539e-07    5.5202e-05 ↙
0.00012724      0.017272    3.0878e-07    5.1515e-07    2.0503e-07    0.00024522 ↙
5.6959e-07    0.00015318    2.7499e-08    2.1874e-06    7.1503e-10    6.2813e-08 ↙
2.5422e-07    0.00015414    1.6862e-07     0.0098881    3.6578e-08    6.2813e-08 ↙
6.9794e-07    0.00090165    9.6318e-07    0.00014572    6.6938e-08    2.1874e-06 ↙
2.2123e-10    1.4095e-07    8.3596e-07    0.00014787    1.6977e-07    8.2303e-08 ↙
1.4095e-07

    1.0923e-06     0.011059    3.5408e-06    0.00090375    1.3643e-07    3.5407e-06 ↙
6.6755e-08    2.5404e-07    1.0909e-06    0.00090556    3.6507e-07    0.00012718 ↙
0.00043359      0.015583    1.5478e-07    2.5404e-07    3.6673e-07     0.0018436 ↙
1.4959e-06    0.00018023     3.915e-08    3.5407e-06    1.6221e-09    8.1891e-08 ↙
7.2732e-07    0.00017976    1.7535e-07      0.019372    4.7607e-08    8.1891e-08 ↙
3.8335e-07       0.00135    2.2966e-06    0.00021571    3.8131e-08    3.5407e-06 ↙
6.1062e-10    7.8922e-08    6.3785e-07    0.00021673    8.2447e-08    4.7058e-08 ↙
7.8922e-08

    1.1476e-06     0.013437    4.5495e-06     0.0010962    1.3685e-07    4.5726e-06 ↙
8.8002e-08    2.5222e-07    1.5859e-06     0.0011038    3.3375e-07    0.00014479 ↙
0.00066297       0.01218    1.5862e-07    2.5222e-07    9.4404e-07     0.0054577 ↙
4.8764e-06    0.00079633    5.6555e-08    4.5726e-06    5.8499e-09    1.0769e-07 ↙
1.7754e-06    0.00079668    2.4166e-07      0.015671    6.3699e-08    1.0769e-07 ↙
5.1384e-07     0.0014947    1.7099e-06    9.8677e-05    5.9298e-08    4.5726e-06 ↙
4.6096e-10    1.3998e-07    8.2067e-07    9.8723e-05    1.5937e-07    8.4323e-08 ↙
1.3998e-07

    2.0166e-06     0.016921    3.2408e-06     0.0012072    2.0476e-07    3.5289e-06 ↙
5.79e-08    5.5773e-07    1.3171e-06     0.0012091    1.6285e-06    0.00015694 ↙
0.010908    0.00030384     3.223e-07    5.5773e-07     9.059e-07     0.0047118 ↙
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4.4851e-06    0.00062845    1.1504e-07    3.5289e-06     4.279e-09    2.4663e-07 ↙
1.3247e-06     0.0006315    3.6287e-07     0.0082289    1.4699e-07    2.4663e-07 ↙
7.6383e-07    0.00098508    1.5093e-06    0.00062842    8.1667e-08    3.5289e-06 ↙
4.2826e-09    2.1762e-07    1.2214e-06    0.00063248    4.6716e-07    1.2457e-07 ↙
2.1762e-07
    2.1493e-06     0.069036    8.9095e-06     0.0030102    2.2366e-07    9.9766e-06 ↙
2.2389e-07    4.6252e-07    2.0258e-06      0.003041    9.2065e-07    0.00038233 ↙
0.0019417    0.00060597    2.6483e-07    4.6252e-07    3.7275e-06      0.015608 ↙
7.4435e-06    0.00088149    1.9929e-07    9.9766e-06    2.6481e-08    4.0472e-07 ↙
5.2898e-06    0.00088937    7.8522e-07     0.0032802    2.3602e-07    4.0472e-07 ↙
1.2179e-06     0.0025957    6.4333e-07    0.00040454    4.9939e-08    9.9766e-06 ↙
1.4455e-09    9.7794e-08    2.5733e-06    0.00040573    1.5308e-07    5.9068e-08 ↙
9.7794e-08

Standard Deviation Statistics:
    Feature_1     Feature_2    Feature_3     Feature_4    Feature_5     Feature_6 ↙
Feature_7     Feature_8     Feature_9     Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43
    __________    _________    __________    _________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
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     0.0010825     0.10484      0.0016967    0.031186     0.00030356     0.0017586 ↙
0.00020947    0.00054596    0.00096212     0.031237      0.0006845    0.0093291 ↙
0.017711     0.0079751     0.00041747    0.00054596    0.00074865     0.048311 ↙
0.0016716     0.021266     0.00023671     0.0017586    5.8505e-05    0.00038554 ↙
0.0009264     0.021223     0.00050247    0.0077077     0.00029292    0.00038554 ↙
0.00062883     0.019986     0.00093206     0.017189     0.00023701     0.0017586 ↙
4.3346e-05    0.00033183    0.00064486     0.017282     0.00040575    0.00025368 ↙
0.00033183
    0.00094951    0.088815      0.0016238    0.028479     0.00035516     0.0016456 ↙
0.00019746    0.00049095    0.00088024     0.028514     0.00056265    0.0089693 ↙
0.021405      0.009533     0.00038119    0.00049095     0.0006983     0.057059 ↙
0.0021281     0.028709     0.00018045     0.0016456    7.3092e-05      0.000252 ↙
0.001014     0.028731     0.00031955    0.0085782     0.00019813      0.000252 ↙
0.00034158     0.014789      0.0010428     0.019702     0.00014083     0.0016456 ↙
4.7228e-05    0.00019536    0.00058494     0.019729     0.00025331    0.00015181 ↙
0.00019536
    0.00091223    0.082888      0.0015423    0.026701     0.00042923     0.0016528 ↙
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0.00020063    0.00060961    0.00076898     0.027062     0.00079705     0.009043 ↙
0.0055697       0.11714     0.00046717    0.00060961    0.00052005     0.026766 ↙
0.0012328     0.018234     0.00026355     0.0016528    6.7987e-05     0.0003899 ↙
0.00046413     0.018249     0.00047524      0.09992     0.00030157     0.0003899 ↙
0.00044771      0.02181     0.00089706     0.016746     0.00022072     0.0016528 ↙
1.8156e-05    0.00031961    0.00060868     0.016802     0.00034978    0.00024931 ↙
0.00031961
     0.0009515    0.084706      0.0010813    0.018844     0.00032474     0.0011455 ↙
0.0001465    0.00046253     0.0009431     0.019006     0.00068338    0.0056834 ↙
0.0058533        0.1166     0.00035091    0.00046253    0.00069641     0.018617 ↙
0.00068078     0.011731     0.00025394     0.0011455    4.1576e-05    0.00038403 ↙
0.00069736     0.011741     0.00048661     0.097446     0.00029607    0.00038403 ↙
0.00088028     0.037843      0.0010864     0.013599     0.00021614     0.0011455 ↙
1.7071e-05    0.00034074        0.0011      0.01368     0.00040902    0.00026529 ↙
0.00034074
     0.0011086    0.083916     0.00084234      0.0113     0.00037613     0.0008861 ↙
0.00010622    0.00051239     0.0011561     0.011472     0.00066883    0.0049922 ↙
0.0017885      0.015884     0.00039871    0.00051239    0.00049694      0.02141 ↙
0.00099926     0.017097      0.0001498     0.0008861    5.0096e-05     0.0002016 ↙
0.00056906     0.017083      0.0002931     0.016524     0.00015769     0.0002016 ↙
0.00053916     0.036189       0.001693     0.025809      0.0002459     0.0008861 ↙
4.9509e-05    0.00034864    0.00061509     0.025886     0.00039564    0.00026773 ↙
0.00034864
     0.0011644    0.090647      0.0011513    0.023016     0.00032617      0.001241 ↙
0.00014714    0.00064684     0.0009649     0.023011     0.00075877    0.0048845 ↙
0.0056523      0.035615     0.00049674    0.00064684    0.00076072     0.042298 ↙
0.0011518     0.015257     0.00020028      0.001241     6.052e-05    0.00028715 ↙
0.00097238     0.015285     0.00039782     0.026875     0.00021788    0.00028715 ↙
0.00071227     0.038919      0.0013621      0.01959      0.0002137      0.001241 ↙
4.1698e-05    0.00030587    0.00090079     0.019653     0.00047595     0.0002323 ↙
0.00030587
    0.00097945    0.087091     0.00082861    0.016393     0.00032069    0.00090622 ↙
0.00011375    0.00045248    0.00088999     0.016575     0.00048052    0.0051256 ↙
0.008545      0.068401     0.00034768    0.00045248    0.00056765     0.037292 ↙
0.0014293     0.019615     0.00021312    0.00090622    7.0577e-05    0.00034451 ↙
0.00071573       0.0196     0.00042994     0.063301     0.00026736    0.00034451 ↙
0.00072179     0.040158      0.0013114      0.02619     0.00021122    0.00090622 ↙
3.8406e-05    0.00034913     0.0010195      0.02619     0.00040597     0.0002677 ↙
0.00034913
     0.0011524    0.086705      0.0011065    0.018309     0.00031056     0.0011198 ↙
0.00014553    0.00060234    0.00090458     0.018419     0.00067683    0.0064307 ↙
0.014015      0.057333     0.00046388    0.00060234    0.00058961     0.049877 ↙
0.0019708     0.026787     0.00023193     0.0011198    8.4924e-05     0.0003292 ↙
0.00074066     0.026814     0.00040603     0.050763     0.00025188     0.0003292 ↙
0.00074051     0.034269      0.0012438     0.022947     0.00029449     0.0011198 ↙
3.9444e-05    0.00041887     0.0009386     0.022963     0.00046399    0.00032141 ↙
0.00041887
      0.001136    0.085348      0.0017039    0.027042     0.00033824     0.0016823 ↙
0.00020786    0.00047665     0.0011174     0.027041     0.00054067    0.0090298 ↙
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0.029953     0.0099032     0.00036557    0.00047665    0.00050103     0.027125 ↙
0.00095378    0.0097528     0.00014578     0.0016823    2.1269e-05    0.00020943 ↙
0.00066173    0.0097352     0.00025004     0.010677     0.00015973    0.00020943 ↙
0.00058607     0.017009     0.00056338     0.011726     0.00020309     0.0016823 ↙
2.6272e-05    0.00028739    0.00072701     0.011779     0.00035487    0.00022058 ↙
0.00028739
     0.0010016     0.16209      0.0027935    0.051476     0.00031351     0.0028473 ↙
0.00036092    0.00043665     0.0011619     0.051521     0.00047913     0.011953 ↙
0.059333      0.020021     0.00034027    0.00043665    0.00061102     0.040063 ↙
0.0015248     0.017416     0.00018891     0.0028473    3.1835e-05    0.00026039 ↙
0.00075349      0.01742     0.00043142     0.030505     0.00020057    0.00026039 ↙
0.00089706       0.0773      0.0028704     0.041297      0.0002251     0.0028473 ↙
0.00014455    0.00031392     0.0012195     0.041225     0.00045241    0.00024267 ↙
0.00031392
    0.00099701    0.069297     0.00072871    0.013734     0.00033831    0.00080469 ↙
9.575e-05    0.00047472    0.00083366     0.013907     0.00052138    0.0030773 ↙
0.0072139      0.010038     0.00036469    0.00047472    0.00037069     0.013923 ↙
0.00053354    0.0084728     0.00010064    0.00080469    1.8239e-05    0.00014038 ↙
0.0004885    0.0085034     0.00023906     0.007563     0.00010749    0.00014038 ↙
0.00056948     0.035692      0.0021229     0.034239     0.00014902    0.00080469 ↙
8.7372e-05    0.00021392    0.00072184     0.034208     0.00027318    0.00016476 ↙
0.00021392
    0.00098521    0.067782     0.00079498     0.01405     0.00032381    0.00083358 ↙
9.9411e-05    0.00045732     0.0009168     0.014134     0.00050519     0.003277 ↙
0.0074931      0.011633     0.00035159    0.00045732    0.00028934    0.0084783 ↙
0.00055732     0.010593     0.00012094    0.00083358    1.8005e-05    0.00017174 ↙
0.00037082     0.010583     0.00025269    0.0068896     0.00012884    0.00017174 ↙
0.00055006     0.047521      0.0030053     0.048607     0.00015172    0.00083358 ↙
0.00012426    0.00021419    0.00086491      0.04861     0.00024354    0.00016462 ↙
0.00021419
     0.0010785     0.11616      0.0014392     0.02622     0.00045179     0.0015342 ↙
0.00020566    0.00066152    0.00095535     0.026409     0.00079606     0.008071 ↙
0.013362       0.10238     0.00051481    0.00066152     0.0005732      0.02747 ↙
0.00089694     0.014698      0.0001825     0.0015342    3.1869e-05     0.0002602 ↙
0.00074517     0.014723     0.00048591     0.092417     0.00019496     0.0002602 ↙
0.00067634     0.030002      0.0010535     0.013723     0.00021567     0.0015342 ↙
1.6325e-05    0.00030407    0.00087461      0.01381     0.00034363    0.00023667 ↙
0.00030407
     0.0010785     0.11616      0.0014392     0.02622     0.00045179     0.0015342 ↙
0.00020566    0.00066152    0.00095535     0.026409     0.00079606     0.008071 ↙
0.013362       0.10238     0.00051481    0.00066152     0.0005732      0.02747 ↙
0.00089694     0.014698      0.0001825     0.0015342    3.1869e-05     0.0002602 ↙
0.00074517     0.014723     0.00048591     0.092417     0.00019496     0.0002602 ↙
0.00067634     0.030002      0.0010535     0.013723     0.00021567     0.0015342 ↙
1.6325e-05    0.00030407    0.00087461      0.01381     0.00034363    0.00023667 ↙
0.00030407
     0.0011617     0.14249      0.0015067    0.031446     0.00047563      0.001618 ↙
0.0002157     0.0006953     0.0010449     0.031616     0.00097389    0.0082434 ↙
0.014061       0.18273      0.0005371     0.0006953    0.00052765     0.027316 ↙
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0.0012316     0.019345     0.00017462      0.001618    3.9331e-05    0.00023979 ↙
0.00058555     0.019375     0.00037276      0.15644     0.00018661    0.00023979 ↙
0.00077284     0.042321      0.0014822     0.014277      0.0002589      0.001618 ↙
2.5957e-05    0.00036206     0.0010216     0.014281     0.00041521    0.00027949 ↙
0.00036206
     0.0013384     0.12127      0.0013823    0.026259     0.00045921      0.001479 ↙
0.00019856    0.00071774     0.0010706     0.026463     0.00097668    0.0074298 ↙
0.01128       0.13142     0.00055568    0.00071774    0.00045281       0.01566 ↙
0.00075471     0.012376     0.00016583      0.001479     2.674e-05    0.00025062 ↙
0.0005042     0.012415     0.00041064     0.099439     0.00019125    0.00025062 ↙
0.00083543     0.030028     0.00098142     0.012072     0.00025872      0.001479 ↙
1.4874e-05    0.00037543    0.00091431      0.01216     0.00041204    0.00028688 ↙
0.00037543
     0.0010452     0.10516      0.0018817    0.030062     0.00036937     0.0018817 ↙
0.00025837    0.00050402     0.0010445     0.030093     0.00060421     0.011277 ↙
0.020823       0.12483     0.00039342    0.00050402    0.00060558     0.042937 ↙
0.0012231     0.013425     0.00019786     0.0018817    4.0275e-05    0.00028617 ↙
0.00085283     0.013408     0.00041875      0.13918     0.00021819    0.00028617 ↙
0.00061915     0.036743      0.0015155     0.014687     0.00019527     0.0018817 ↙
2.4711e-05    0.00028093    0.00079866     0.014722     0.00028714    0.00021693 ↙
0.00028093
     0.0010713     0.11592       0.002133    0.033109     0.00036994     0.0021384 ↙
0.00029665    0.00050222     0.0012593     0.033223     0.00057771     0.012033 ↙
0.025748       0.11036     0.00039827    0.00050222    0.00097162     0.073876 ↙
0.0022082     0.028219     0.00023781     0.0021384    7.6484e-05    0.00032816 ↙
0.0013324     0.028226     0.00049159      0.12518     0.00025239    0.00032816 ↙
0.00071683     0.038662      0.0013076    0.0099337     0.00024351     0.0021384 ↙
2.147e-05    0.00037414    0.00090591     0.009936     0.00039922    0.00029038 ↙
0.00037414
     0.0014201     0.13008      0.0018002    0.034745      0.0004525     0.0018785 ↙
0.00024062    0.00074681     0.0011476     0.034772      0.0012761     0.012528 ↙
0.10444      0.017431     0.00056772    0.00074681    0.00095179     0.068642 ↙
0.0021178     0.025069     0.00033917     0.0018785    6.5414e-05    0.00049662 ↙
0.0011509      0.02513     0.00060239     0.090713      0.0003834    0.00049662 ↙
0.00087398     0.031386      0.0012285     0.025068     0.00028577     0.0018785 ↙
6.5442e-05    0.00046649     0.0011052     0.025149     0.00068349    0.00035294 ↙
0.00046649
     0.0014661     0.26275      0.0029849    0.054866     0.00047292     0.0031586 ↙
0.00047317    0.00068009     0.0014233     0.055146     0.00095951     0.019553 ↙
0.044065      0.024616     0.00051462    0.00068009     0.0019307      0.12493 ↙
0.0027283      0.02969     0.00044642     0.0031586    0.00016273    0.00063617 ↙
0.0023     0.029822     0.00088612     0.057273     0.00048582    0.00063617 ↙
0.0011036     0.050948     0.00080208     0.020113     0.00022347     0.0031586 ↙
3.802e-05    0.00031272     0.0016042     0.020143     0.00039126    0.00024304 ↙
0.00031272

Statistics for files with 88 features:
Mean Statistics:
    Feature_1    Feature_2    Feature_3    Feature_4    Feature_5    Feature_6 ↙
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Feature_7    Feature_8    Feature_9    Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43    Feature_44    Feature_45    Feature_46    Feature_47    Feature_48 ↙
Feature_49    Feature_50    Feature_51    Feature_52    Feature_53    Feature_54 ↙
Feature_55    Feature_56    Feature_57    Feature_58    Feature_59    Feature_60 ↙
Feature_61    Feature_62    Feature_63    Feature_64    Feature_65    Feature_66 ↙
Feature_67    Feature_68    Feature_69    Feature_70    Feature_71    Feature_72 ↙
Feature_73    Feature_74    Feature_75    Feature_76    Feature_77    Feature_78 ↙
Feature_79    Feature_80    Feature_81    Feature_82    Feature_83    Feature_84 ↙
Feature_85    Feature_86    Feature_87    Feature_88

    _________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________

     1.2061       0.57943      0.14885      0.92118     0.023128       0.9306 ↙
0.12623      0.62665      0.93371      -0.39591       0.31244      0.24319 ↙
-0.23269      2.2106       0.80506        0.9306        1.1096        1.058 ↙
-0.058152      -0.5719       0.10826      -0.26953      0.012229      -0.24717 ↙
0.085048      0.51375       0.29077      -0.46127       0.12692      -0.72961 ↙
-0.3226      -0.24717      -0.08689      -0.23135      0.53947        0.10418 ↙
0.09429       0.35131     0.0090915       0.36503     0.076593       0.43529 ↙
0.3641       0.13246       -0.48127       0.28903       0.36503      0.51871 ↙
0.44676       5.7189        16.017        18.583        3.1135        31.951 ↙
9.4722       2.8003        32.345        9.3056       0.47222       0.055556 ↙
14.917       101.72        147.11        35.694       0.027778             0 ↙
0         0                0             0        2.9167       88.111        208.58 ↙
0.38889             0            0             0          0                  0 ↙
0            0             0       0.88889        20.667        175.31 ↙
102.89          0.25            0
     1.2271       0.56409       0.1622      0.92513     0.027114       0.93532 ↙
0.13744      0.66299      0.93967      -0.43468       0.32293      0.26385 ↙
-0.25037      2.2307       0.80063       0.93532        1.1287        1.0791 ↙
-0.047284     -0.54095       0.10386       -0.2562      0.011341      -0.23441 ↙
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0.082424      0.49367       0.27689        -0.5434       0.12914      -0.63518 ↙
-0.31384      -0.23441     -0.077146      -0.21982      0.52487         0.10227 ↙
0.092334        0.34446    0.0086714        0.36247     0.074578      0.42261 ↙
0.35692       0.12489       -0.58112        0.2859        0.36247     0.50579 ↙
0.43068        5.7137        15.757        18.778        3.0438        31.602 ↙
9.5278        2.8168        31.358        9.6111          0.5       0.055556 ↙
19.25         97.75         133.69        48.667       0.083333             0 ↙
0         0                 0               0        2.1389       81.778        215.11 ↙
0.97222              0            0             0          0                  0 ↙
0             0             0       0.61111        25.556        182.17 ↙
91.667             0            0
     1.3996       0.66471      0.16649      0.98701     0.028039      0.96082 ↙
0.12764       0.7349       1.0011       0.68917       0.46454      0.17729 ↙
0.56906      2.9798       0.88336       0.96082        1.1294       0.98441 ↙
0.75485      0.17012       0.14789       0.42598      0.022164       0.44524 ↙
0.12768      0.58473       0.45105        0.79423       0.24895      0.091313 ↙
0.28276       0.44524        0.7178       0.40421      0.33036        -0.18595 ↙
0.14104       0.078317     0.020028       0.083777      0.12795       0.5163 ↙
0.16235       0.26712      -0.019204     -0.056554       0.083777     0.31179 ↙
0.22751        6.0809        16.728        17.917        2.0128        32.658 ↙
9.3889         1.644        32.202        9.5278          0.5       0.027778 ↙
0.36111        73.194        161.17        50.222         14.528             0 ↙
0         0                 0               0             0            0             0 ↙
85.667         173.14        41.194             0          0                 0 ↙
0       0.11111        1.9722        116.72        95.528        85.667 ↙
0             0            0
     1.4403       0.65187       0.1773       1.0136     0.031937      0.99308 ↙
0.13754      0.78838       1.0292       0.68418       0.40553      0.20011 ↙
0.40593      2.8125       0.90271       0.99308        1.1853        1.0103 ↙
0.80847      0.11234        0.1856       0.43641      0.034595       0.46892 ↙
0.16643      0.69613       0.47426        0.77782       0.33848     -0.020293 ↙
0.24957       0.46892       0.76391       0.48158      0.25183        -0.34728 ↙
0.14477      -0.022688     0.021169      -0.032071      0.12715      0.59911 ↙
0.14781       0.25182       -0.13138      -0.14411      -0.032071     0.22423 ↙
0.16003        6.2605        16.567        18.111        1.7327        32.534 ↙
9.3889        2.3836        31.573        9.6944       0.47222       0.055556 ↙
0.63889        61.278        159.97        54.361         23.083        0.13889 ↙
0         0                 0               0             0            0             0 ↙
100.92          131.5        67.25       0.33333          0                 0 ↙
0.66667        1.9722        16.861        143.19        124.31        12.944 ↙
0.055556             0            0
      1.443       0.46905      0.26639      0.93689     0.072485      0.93308 ↙
0.23293       0.9739       0.97461        0.774       0.62069      0.47736 ↙
0.048441      1.7996       0.69316       0.93308        1.2863        1.1913 ↙
0.64824      0.15198        0.1163       0.37907      0.013852       0.37155 ↙
0.096166      0.49626       0.39692        0.69389       0.1682        0.26282 ↙
0.28997       0.37155       0.62757       0.42734      0.45629       -0.055331 ↙
0.12937        0.20299     0.016885         0.2198      0.10713      0.51163 ↙
0.24073       0.19394       -0.21502       0.10234         0.2198     0.44452 ↙
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0.35854         5.915        16.176        18.389        2.3463        32.338 ↙
9.2778        2.1559        32.215        9.3889           0.5       0.86111 ↙
58.389        74.306        67.361        75.194        23.222       0.16667 ↙
0         0                0             0             0             0             0 ↙
83.722         204.83       11.444             0          0                 0 ↙
0             0             0        24.861        108.64        147.39 ↙
19.111             0           0
     1.4616       0.49507      0.25347      0.94623     0.064779      0.93921 ↙
0.21812      0.96655      0.97983       0.66229       0.57064      0.42833 ↙
0.14136        1.96       0.72046       0.93921         1.257       1.1435 ↙
0.68198      0.12529       0.12476        0.3991      0.015888        0.3966 ↙
0.09663      0.55669       0.41836       0.83996       0.14119       0.07801 ↙
0.32708        0.3966       0.66487       0.41995      0.46691       -0.12547 ↙
0.14834       0.15675     0.022181        0.17104      0.12334      0.59238 ↙
0.21584       0.22942     -0.026881      0.031916        0.17104     0.44969 ↙
0.35516        5.9561        16.176        18.389        2.6597        32.432 ↙
9.1667        2.1466        31.924        9.3611       0.52778        0.83333 ↙
47.472        81.639        74.528        66.833         28.083      0.083333 ↙
0         0                0             0             0             0       0.27778 ↙
61.444         215.61         22.5       0.16667           0                 0 ↙
0             0       0.19444        59.972        114.86         109.5 ↙
14.972       0.33333      0.16667
     1.2914       0.76802      0.11336       1.0077     0.013591      0.98349 ↙
0.087772      0.52338       1.0144      -0.64654         0.528      0.12618 ↙
0.633      3.2077       0.93499       0.98349        1.0826       0.99523 ↙
-0.15491     -0.75384       0.12931      -0.37421       0.01717      -0.34577 ↙
0.10569      0.59893       0.39619       -0.72174       0.18515      -0.69583 ↙
-0.45939      -0.34577      -0.17929      -0.31661      0.50155        -0.18053 ↙
0.16864         0.1772     0.028782        0.16214      0.14537      0.68208 ↙
0.2455       0.28944       0.039796      0.032693        0.16214     0.48203 ↙
0.40903        6.1164        16.223        18.444        2.9389        32.669 ↙
9.25        2.3259        32.957        9.1111       0.47222       0.055556 ↙
0.16667        19.917        219.36        59.611        0.41667             0 ↙
0         0                0        0.41667        18.111       175.36        106.11 ↙
0             0           0             0          0          0.055556      0.16667 ↙
0.80556           2.5          30.5        132.72         96.75           36.5 ↙
0           0
     1.3395          0.78      0.12741       1.0297     0.017027       1.0015 ↙
0.10011      0.55948         1.038      -0.68104       0.58602        0.1521 ↙
0.63034      3.0358       0.94406        1.0015        1.1385        1.0219 ↙
-0.084476     -0.73484       0.14963        -0.341      0.022823      -0.30624 ↙
0.12659      0.65036       0.37257        -0.7438       0.24069      -0.55158 ↙
-0.45704      -0.30624      -0.11894      -0.22418      0.50899        -0.17643 ↙
0.16987        0.17465     0.029209        0.15257      0.14769      0.68542 ↙
0.24407       0.29423        0.14352      0.028278        0.15257     0.48876 ↙
0.4032        6.1899        16.826        17.833        2.4251        32.635 ↙
9.1667        2.0977        32.118        9.2778           0.5       0.027778 ↙
0.11111        18.944        205.06        69.944         5.4167             0 ↙
0         0                0       0.055556        19.833       133.25        146.86 ↙
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0              0            0              0          0                    0            0 ↙
0.36111        2.3333        42.444        127.03        90.056          37.75 ↙
0.027778            0
     1.2172       0.70893      0.11302      0.97056     0.013592      0.96786 ↙
0.092032      0.50826       0.9775      -0.13886       0.37705      0.16276 ↙
0.072482      2.5076       0.88793       0.96786        1.1152        1.0211 ↙
-0.012906     -0.38267      0.080612      -0.16467      0.006933      -0.14855 ↙
0.064809      0.36976       0.18412       -0.26933       0.10601      -0.61312 ↙
-0.21229      -0.14855     -0.030243      -0.14117      0.57879        0.042502 ↙
0.13274        0.31802     0.017694        0.32058      0.11392      0.53629 ↙
0.3447       0.23002      -0.094552       0.20526        0.32058     0.55274 ↙
0.48525        5.7669        17.637        16.861        2.9041        33.316 ↙
9.2222        1.9679        34.868        8.8611       0.47222       0.055556 ↙
0.22222        70.111        184.25        44.778        0.11111             0 ↙
0         0                0              0              0       23.333        275.19 ↙
1.4722              0            0              0          0                 0 ↙
0             0             0       0.97222        71.111        129.92 ↙
97.222       0.77778            0
     1.3177       0.67269      0.13137       1.0229     0.019042       1.0271 ↙
0.10365      0.64497       1.0323      -0.25496       0.17915      0.16782 ↙
-0.10925      3.0134        0.9418        1.0271        1.1505        1.0432 ↙
0.10246     -0.44811       0.11752      -0.13543      0.014331      -0.11009 ↙
0.095445      0.55057       0.17988       -0.45913       0.15901      -0.55523 ↙
-0.20997      -0.11009      0.066403     -0.073714      0.62025       -0.016728 ↙
0.14763         0.3142      0.02246        0.32584      0.12448      0.63697 ↙
0.34754       0.23482       -0.18183       0.19695        0.32584      0.5867 ↙
0.48315        6.0532        16.655        17.833        2.8641        31.876 ↙
9.5278        2.4114        32.508        9.4722       0.97222         1.0833 ↙
0.94444        36.111        175.83         81.75         3.3056             0 ↙
0         0                0              0       0.16667       35.444        238.42 ↙
25.944       0.027778            0              0          0                 0 ↙
0             0       0.66667        1.8611        75.778        122.53 ↙
95.083        2.6944         0.75
     1.2374       0.63704      0.14983      0.94939     0.022937      0.94354 ↙
0.12811      0.60039      0.96139      -0.36282       0.57788       0.2521 ↙
0.005171      2.0832       0.82475       0.94354        1.1589        1.0935 ↙
-0.10954     -0.44453      0.072425      -0.26013     0.0053134      -0.24593 ↙
0.058218      0.33499       0.27012       -0.47494      0.095096      -0.47613 ↙
-0.30489      -0.24593      -0.13258       -0.2148      0.47214         0.12883 ↙
0.075023        0.31222    0.0058576        0.30882     0.061871      0.34331 ↙
0.32144       0.11489       -0.15144       0.25828        0.30882     0.45362 ↙
0.40429          5.75         16.95        17.556        2.8817        33.076 ↙
9.25        2.6345        32.969        9.2778           0.5       0.055556 ↙
2.2778        109.44        126.28        61.444              0             0 ↙
0         0                0              0      0.083333       80.222        219.47 ↙
0.22222             0            0              0          0                 0 ↙
0             0             0       0.86111        17.778           240 ↙
41.361             0            0
     1.2325       0.63243      0.15292      0.94616      0.02387      0.93947 ↙
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0.13106      0.60003      0.95867     -0.34922      0.57818      0.26017 ↙
-0.0055268      2.0593       0.81918       0.93947        1.1623        1.0983 ↙
-0.098753     -0.41741      0.068973      -0.23958     0.0048204      -0.22435 ↙
0.055814      0.31865       0.24945       -0.54584      0.091849      -0.52293 ↙
-0.2817      -0.22435      -0.12513      -0.19607      0.50894         0.13598 ↙
0.081762        0.33398    0.0069224         0.3299      0.06749      0.37296 ↙
0.34421       0.12671       -0.13829       0.27357         0.3299     0.49177 ↙
0.43524        5.7496        16.977          17.5        2.8621        32.795 ↙
9.3611        2.6518         33.35        9.1389       0.47222       0.055556 ↙
2.2222        112.53        122.06        62.667             0             0 ↙
0         0               0              0             0       59.167        240.69 ↙
0.13889             0           0             0          0                  0 ↙
0             0             0        1.1389        17.667        208.17 ↙
72.667       0.36111            0
     1.5967        0.6319      0.22747       1.0585     0.052293       1.0281 ↙
0.18117      0.96477       1.0829       -0.3538       0.27344       0.2833 ↙
0.56365      2.6995       0.89042        1.0281         1.299        1.1201 ↙
0.021568     -0.63308       0.13614      -0.26233      0.018701      -0.24359 ↙
0.10848      0.65465        0.2957       -0.57306       0.17689      -0.54508 ↙
-0.33928      -0.24359     -0.017579      -0.20246      0.29081        -0.27825 ↙
0.13348       0.026158     0.018029       0.024513      0.11783      0.56905 ↙
0.13651       0.23478      -0.035782     -0.092218       0.024513      0.2651 ↙
0.18726        6.1946        16.731        17.917         2.866        29.652 ↙
10.306        2.1589         32.646        9.4167           0.5       0.083333 ↙
2.5556        65.722         121.97        62.139         38.333         8.6944 ↙
0         0               0              0        3.3333       97.167        197.25 ↙
2.25             0            0             0          0                 0 ↙
0.11111       0.86111            4        135.42        130.14        29.194 ↙
0.27778            0           0
     1.5967        0.6319      0.22747       1.0585     0.052293       1.0281 ↙
0.18117      0.96477       1.0829       -0.3538       0.27344       0.2833 ↙
0.56365      2.6995       0.89042        1.0281         1.299        1.1201 ↙
0.021568     -0.63308       0.13614      -0.26233      0.018701      -0.24359 ↙
0.10848      0.65465        0.2957       -0.57306       0.17689      -0.54508 ↙
-0.33928      -0.24359     -0.017579      -0.20246      0.29081        -0.27825 ↙
0.13348       0.026158     0.018029       0.024513      0.11783      0.56905 ↙
0.13651       0.23478      -0.035782     -0.092218       0.024513      0.2651 ↙
0.18726        6.1946        16.731        17.917         2.866        29.652 ↙
10.306        2.1589         32.646        9.4167           0.5       0.083333 ↙
2.5556        65.722         121.97        62.139         38.333         8.6944 ↙
0         0               0              0        3.3333       97.167        197.25 ↙
2.25             0            0             0          0                 0 ↙
0.11111       0.86111            4        135.42        130.14        29.194 ↙
0.27778            0           0
      1.597       0.61005      0.24898       1.0637     0.062971       1.0397 ↙
0.21125        0.987       1.0929      -0.57655       0.12541      0.40045 ↙
0.27877      2.1141       0.85282        1.0397        1.4052        1.2446 ↙
-0.029649     -0.46687       0.10591      -0.24253      0.011379      -0.24495 ↙
0.091358      0.43723       0.26481        -0.6368       0.17901     -0.017331 ↙
```

```
-0.33118      -0.24495     -0.048224       -0.2613      0.26077        -0.30254 ↙
0.14198     -0.0025355     0.020599      -0.035129      0.12534      0.56331 ↙
0.15276        0.2531       0.075952      -0.11915      -0.035129     0.24182 ↙
0.15278        6.2183        16.284         18.25        2.0469        32.506 ↙
9.3611        2.0002        32.741        9.1389       0.47222       0.083333 ↙
6.0556        78.361        85.917        74.222         46.861        8.0278 ↙
0         0                0               0       0.13889       100.69         198.5 ↙
0.66667              0           0             0          0                  0 ↙
0.27778        1.3611        20.389        141.47           103          33.5 ↙
0              0             0
     1.6227       0.60305       0.2561       1.0578     0.066249       1.0392 ↙
0.21607       1.0196       1.0886      -0.58714      0.074573      0.40558 ↙
0.28971      2.1847       0.83957        1.0392          1.39        1.2412 ↙
-0.035252     -0.47869       0.10941      -0.24882      0.012029      -0.24426 ↙
0.094635      0.44344       0.27186        -0.6042       0.18797      -0.10377 ↙
-0.34359      -0.24426     -0.054979      -0.25027      0.22548        -0.31922 ↙
0.13632      -0.021103     0.018723      -0.056864       0.1205      0.54469 ↙
0.13977       0.24285        0.05443      -0.13114      -0.056864     0.20943 ↙
0.13403         6.194        16.198         18.389         1.946        31.474 ↙
9.6667        2.0129        32.086        9.3056           0.5       0.055556 ↙
5.6111        83.917        81.472        77.639         39.472        11.333 ↙
0         0                0               0              0        107.5        192.08 ↙
0.41667              0           0             0          0                  0 ↙
0        1.7222        16.194        153.53        120.89        7.6667 ↙
0              0             0
     1.5315       0.70892       0.1905       1.0882     0.037187       1.0767 ↙
0.15166      0.82261       1.1051      -0.35995       0.16112      0.24589 ↙
0.26606      2.6154        0.9558        1.0767        1.3206        1.1603 ↙
-0.0099548     -0.57378       0.13294      -0.24899       0.01835      -0.24406 ↙
0.11251      0.56383       0.28285       -0.60307       0.20361      -0.32301 ↙
-0.34121      -0.24406     -0.025329      -0.27524      0.27348        -0.28676 ↙
0.13855       0.014915     0.019711     0.00042389      0.12336      0.56023 ↙
0.14099       0.24926      -0.051697      -0.10192     0.00042389     0.24644 ↙
0.16777        6.2977        17.051         17.333        2.2415        33.244 ↙
9.1944        2.0281        32.492        9.2222           0.5       0.055556 ↙
0.22222             43         120.83         95.611         35.639         4.1389 ↙
0         0                0               0        1.8889       102.06         193.42 ↙
2.6389               0           0             0          0                  0 ↙
0        1.5556        5.1667        142.92        120.56        29.694 ↙
0.11111              0           0
     1.6036       0.66821      0.21026       1.1045      0.04522        1.094 ↙
0.16802      0.93541       1.1247       -0.2793       0.16784      0.27819 ↙
0.2464      2.6326       0.95631         1.094        1.3542         1.1842 ↙
0.030761     -0.63344       0.15377      -0.24279      0.024429      -0.22908 ↙
0.12903       0.6642       0.28791       -0.60606       0.23278      -0.38592 ↙
-0.34842      -0.22908      0.015206      -0.25995      0.31671        -0.29964 ↙
0.14844       0.028169     0.022411        0.01422      0.13171      0.61634 ↙
0.15209       0.26387      -0.043112     -0.098138        0.01422     0.28861 ↙
0.18256        6.4167        16.963         17.528        2.3401        32.924 ↙
```

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9.3611        2.1477        32.927        9.2222       0.47222        0.11111 ↙
0.77778        43.361        108.94        97.556        39.139         9.6389 ↙
0         0                0        0.16667        5.0833       101.47        185.25 ↙
8.0278              0            0             0          0                 0 ↙
0.44444        1.3333        4.2778        140.08        107.58        46.111 ↙
0.16667             0            0
     1.5231       0.44531      0.28657      0.99087     0.083315      0.99078 ↙
0.24997       1.0778       1.0322     -0.065946       0.46221      0.50807 ↙
-0.0033885         1.81         0.736       0.99078        1.3463         1.257 ↙
0.2426     -0.56286       0.20883      -0.12986      0.045225      -0.10332 ↙
0.18081      0.80546       0.24728       -0.62867       0.36176       -0.2063 ↙
-0.31171      -0.10332       0.21317         0.0651      0.61214      -0.0064542 ↙
0.12776        0.37581      0.01681        0.39477     0.099062      0.61859 ↙
0.39772       0.15971       -0.67336       0.29892        0.39477     0.59898 ↙
0.44537        6.2118        12.066        24.639        1.9156        24.444 ↙
12.25        3.6781        24.892        11.917           0.5         2.5278 ↙
44.722        68.667        63.472        71.194         48.278       0.63889 ↙
0         0                0       0.055556          3.75       70.667        125.17 ↙
99.639        0.72222             0             0          0                 0 ↙
0             0       0.72222        4.3056        19.472        131.78 ↙
139.61        4.1111            0
     1.5391       0.65715       0.1691       1.2234     0.030337       1.2559 ↙
0.13273      0.88195        1.236       0.33755     0.0031977      0.22196 ↙
-0.87793      3.8356        1.1247        1.2559        1.4144        1.3384 ↙
0.39578      -1.0462       0.39781      -0.24529       0.15974       -0.1737 ↙
0.34931        1.442       0.46714       -0.70182       0.72172       -0.2948 ↙
-0.60884       -0.1737       0.34603       0.12563      0.63862        -0.11015 ↙
0.1486        0.32292     0.022781        0.30119       0.1149      0.74876 ↙
0.35659       0.19358       -0.20928       0.23468        0.30119     0.61902 ↙
0.37349         7.498        18.013        17.028        1.7928        24.746 ↙
12.167        3.8679        24.659        12.139       0.52778        0.33333 ↙
2.2778            11        48.222        135.58         100.42        1.6111 ↙
0.027778          0          0.19444         15.444         60.139         50.5 ↙
64.972        98.194         10.333      0.22222             0          0 ↙
0           0       0.13889        2.9444        3.4444        39.194        168.31 ↙
78.361        7.6111            0
```

Variance Statistics:

```
    Feature_1    Feature_2    Feature_3     Feature_4     Feature_5     Feature_6 ↙
Feature_7     Feature_8    Feature_9     Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43    Feature_44    Feature_45    Feature_46    Feature_47    Feature_48 ↙
Feature_49    Feature_50    Feature_51    Feature_52    Feature_53    Feature_54 ↙
Feature_55    Feature_56    Feature_57    Feature_58    Feature_59    Feature_60 ↙
Feature_61    Feature_62    Feature_63    Feature_64    Feature_65    Feature_66 ↙
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Feature_67    Feature_68    Feature_69    Feature_70    Feature_71    Feature_72 ↙
Feature_73    Feature_74    Feature_75    Feature_76    Feature_77    Feature_78 ↙
Feature_79    Feature_80    Feature_81    Feature_82    Feature_83    Feature_84 ↙
Feature_85    Feature_86    Feature_87    Feature_88

    _________    _________    __________    __________    __________    __________ ↙
__________    _________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________

     0.002323     0.013738     0.0010005    0.00080982     0.0001186    0.00065946 ↙
0.00065306    0.018456     0.00061392     0.014423      0.029746       0.002708 ↙
0.069815       0.47001      0.0021313    0.00065946    0.00067934     0.0012165 ↙
0.0025814      0.0090022     0.0005221    0.00079027    2.7222e-05    0.00062209 ↙
0.00036392     0.011917       0.001084     0.031724      0.0013849      0.10411 ↙
0.001707    0.00062209     0.0013093     0.0011704     0.0015724     0.0081394 ↙
0.00020664    0.00031228    8.3742e-06    0.00017723    0.00011516    0.0092516 ↙
0.0002239    0.00046681      0.12491     0.00046013    0.00017723     0.0007488 ↙
0.0011636     0.019179       0.77241       1.5071        0.15687       3.5633 ↙
0.42778        0.85492       2.9349       0.33254        8.0278        0.11111 ↙
119.96        490.21        780.16        281.25       0.027778             0 ↙
0         0                0             0         23.05        474.73        588.42 ↙
1.7873              0           0           0            0                0 ↙
0             0             0        6.9016        170.63        231.82        382.96 ↙
1.2214            0
     0.002193     0.013799    0.00082901    0.00066395     9.417e-05    0.00067746 ↙
0.00049469    0.015731     0.00057466    0.0091889      0.022607      0.0026126 ↙
0.16821        1.5397       0.002078    0.00067746    0.00072675     0.0016325 ↙
0.0054304       0.008423    0.00056979    0.00068456    3.0739e-05    0.00047905 ↙
0.00038083     0.014821     0.00096143     0.040054      0.0015271      0.16472 ↙
0.0015602    0.00047905     0.0026359     0.0014039    0.00093892     0.0068409 ↙
0.00015009     0.0003275    5.6392e-06    0.00018737    8.1695e-05     0.006738 ↙
0.00022731    0.00031044     0.095197     0.00053583    0.00018737    0.00047367 ↙
0.0011619     0.016892       1.2257       1.8349        0.39625       4.3026 ↙
0.37063        0.70863       3.362        0.41587             9        0.11111 ↙
124.48        435.85        917.13        362.51       0.13571             0 ↙
0         0                0             0        22.123        382.58        499.24 ↙
6.8278              0           0           0            0                0 ↙
0             0             0        4.0159        211.05        165.23        457.26 ↙
```

```
0           0
    0.0023517     0.013753    0.00032768    0.00066498    5.3229e-05    0.00053113 ↙
7.7065e-05    0.013497     0.00056551    0.0026935     0.0036918     0.00070056 ↙
0.19983       0.77197     0.00042816    0.00053113     0.0027286    0.00063875 ↙
0.0034382      0.0015782    0.00030082    0.00036118    2.7513e-05    0.00042992 ↙
0.0003061    0.0051544     0.00047226     0.010092      0.0017766     0.031723 ↙
0.0005212    0.00042992     0.0021327     0.0078084    0.00081441     0.0072116 ↙
0.00014058    0.00044949    1.0755e-05    0.00073342    0.00011838    0.0094144 ↙
0.00017993    0.00061083     0.013977     0.00039744    0.00073342    0.00043708 ↙
0.0029621     0.020542       0.26758      0.47857        0.19139       1.1897 ↙
0.35873        0.11746       1.1708       0.31349             9       0.027778 ↙
0.75159        207.13        160.03        57.435         54.885            0 ↙
0         0               0             0             0             0             0 ↙
158.06         439.44       250.96           0            0                0 ↙
0       0.44444        14.828        219.12        501.63        484.91             0 ↙
0           0
    0.0025535     0.014022    0.00051591    0.00035323    0.00010421    0.00046013 ↙
0.00020112    0.018049     0.00030193    0.0049708      0.014519      0.0012061 ↙
0.13446       0.44531     0.00059476    0.00046013     0.0039293    0.00094823 ↙
0.0043885      0.0013562    0.00015084    0.00014204    2.0466e-05    0.00047782 ↙
0.00018095    0.0072096     0.00015606      0.02845     0.00087422      0.01468 ↙
0.00023544    0.00047782    0.00081848      0.023909     0.0026101      0.028839 ↙
0.00021554    0.00048138    1.7872e-05    0.00071435    0.00012396     0.033439 ↙
0.00023861    0.00078888      0.22948     9.5109e-05    0.00071435     0.0012725 ↙
0.00084517    0.0090551       0.29833      0.67302       0.096473       1.1697 ↙
0.30159         2.4987       1.8202       0.44683        8.0278        0.11111 ↙
1.4944        132.55        237.91        82.066          49.45      0.69444 ↙
0         0               0             0             0             0             0 ↙
72.421         355.29       227.96         0.8             0                0 ↙
3.2571        12.085        76.009        169.53        150.68           178 ↙
0.11111             0           0
    0.0063037    0.0099544     0.0015629     0.0001815    0.00043941    0.00023619 ↙
0.0011559    0.025964     0.00033386    0.0030063     0.0034261      0.0054129 ↙
0.01892       0.11792      0.0012371    0.00023619     0.0027875     0.0022632 ↙
0.0016165      0.0029967    0.00033486    0.00027013    1.8002e-05    0.00029476 ↙
0.00024018    0.0069726      0.0002293    0.0060124     0.00091587     0.041823 ↙
0.0006929    0.00029476     0.0010566    0.00038077     0.0024809    0.00038669 ↙
0.00015325    0.00062781    1.0311e-05    0.00093857    7.7105e-05    0.0034694 ↙
0.00071203    0.00017583     0.030011     0.00079451    0.00093857     0.0022847 ↙
0.003591     0.011268       0.45755      0.75873        0.12062       1.8175 ↙
0.32063       0.025078       1.5206       0.30159             9         3.7802 ↙
268.64         258.5        175.78        86.561         216.58      0.25714 ↙
0         0               0             0             0             0             0 ↙
651.58         777.34       96.083           0            0                0 ↙
0             0             0        59.952        754.12        245.33        219.87 ↙
0           0
    0.0015102     0.011073    0.00054911    0.00035569    0.00016013    0.00041323 ↙
0.00039193    0.012166     0.00021142    0.0099593      0.011713      0.0018511 ↙
0.024202      0.074427     0.00096752    0.00041323      0.001666     0.0024053 ↙
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0.0055311      0.0050185    0.00033137      0.000229    2.9351e-05    0.00022537 ↙
0.00019099     0.017175     0.00032201     0.012138     0.00077337      0.03969 ↙
0.00022568    0.00022537     0.0029758    0.00062819     0.0051172     0.0010693 ↙
0.00017999    0.00034834         2e-05    0.00035506    9.2452e-05    0.0061813 ↙
0.00044165    0.00041469     0.029949     0.00034406    0.00035506      0.003199 ↙
0.0046449    0.0037854       0.12664      0.30159       0.072575       1.0025 ↙
0.14286       0.067167       1.2795       0.29444        8.9992         14.886 ↙
111.86        61.209        145.97        43.514         44.936         0.25 ↙
0         0               0             0             0             0        1.3492 ↙
43.683         138.64       114.77           1            0                0 ↙
0             0        1.3611        63.228        164.98         172.6        80.085 ↙
4            1
    0.0010162     0.022206    0.00076232    0.00020809    0.00010009    0.00017885 ↙
0.00017493    0.023148     0.00012625    0.0085523      0.016654     0.00040087 ↙
0.4115        1.0886      0.0001614    0.00017885     0.0013546    0.00012488 ↙
0.0016255       0.014622    0.00046169    0.00037231    3.2447e-05    0.00037179 ↙
0.00029972     0.016076     0.00056034     0.031717      0.0011174     0.085297 ↙
0.0010749    0.00037179    0.00045016      0.003042      0.001278      0.042793 ↙
0.0003539    0.00051759    4.6971e-05    0.00063207    0.00011944     0.039534 ↙
0.00032903    0.00058408      0.21413     0.00022574    0.00063207    0.00090927 ↙
0.0030169    0.0060798       0.71097      0.99683        0.41411       1.5456 ↙
0.30714         1.5019       2.1113       0.15873        8.0278        0.11111 ↙
0.54286        129.11        179.84         61.444         1.6214             0 ↙
0         0               0        2.0214        213.87        396.75        217.02 ↙
0             0            0           0            0          0.11111             1 ↙
3.1897        18.086        287.17        152.03        105.91        144.54 ↙
0            0
    0.0011188     0.021769    0.00081737     0.0002809    0.00011848    0.00054278 ↙
0.00017478    0.022195      0.0002717    0.0060544      0.007728     0.00039766 ↙
0.43161        1.4201     0.00052473    0.00054278     0.0031421    0.00081117 ↙
0.0016798      0.0084839    0.00044545    0.00065064    4.0183e-05    0.00061638 ↙
0.00034475     0.010171     0.00087558       0.0165      0.0015417     0.056355 ↙
0.0017464    0.00061638    0.00078078     0.0016697     0.0026597      0.019542 ↙
0.00036183    0.00052989    4.3396e-05    0.00048307    0.00034054     0.018421 ↙
0.00057446     0.0025114     0.075098     0.00035495    0.00048307     0.0018198 ↙
0.0093318    0.0083589        1.2768       1.5714        0.19979       2.0525 ↙
0.25714        0.33577       1.2265       0.26349             9       0.027778 ↙
0.21587        197.65        314.17        187.14          30.65             0 ↙
0         0               0       0.11111        175.11        366.71        346.81 ↙
0             0            0           0            0                0             0 ↙
1.4944        16.571        315.74         533.4        210.97        392.31 ↙
0.027778            0
    0.0036015     0.015979     0.0008433    0.00068637    0.00011297    0.00074022 ↙
0.00025557    0.020693     0.00072211     0.037437      0.018092     0.00059439 ↙
0.22948        1.3043     0.00089118    0.00074022     0.0011389    0.00071162 ↙
0.0032674      0.0041081      0.000447    9.7141e-05    1.5196e-05    0.00011487 ↙
0.00029094    0.0098525     0.00022692      0.04241     0.00078881      0.11131 ↙
0.00033879    0.00011487     0.0012339    0.00079115     0.0021587     0.0045667 ↙
7.7311e-05     0.0001486    5.5744e-06    0.00016397    4.9964e-05    0.0097082 ↙
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0.00010471    0.00022503     0.021377      0.0002208    0.00016397    0.00084563 ↙
0.00065844     0.020461       0.80726      0.86587        0.66135       4.0172 ↙
0.40635        0.11182       5.7251       0.40873        8.0278        0.11111 ↙
0.63492        585.13        307.51        452.92         0.44444             0 ↙
0         0               0             0             0        355.31        391.53 ↙
13.342              0           0           0           0                0 ↙
0             0             0        5.3992        93.702         78.65        81.663 ↙
2.5206            0
    0.0046322     0.033136     0.0018332     0.0019079    0.00030137     0.0015194 ↙
0.00090401     0.03326       0.001516     0.021612      0.042383     0.00092908 ↙
0.29329        1.7456      0.0013353     0.0015194     0.0020926     0.0038732 ↙
0.0043401      0.0070901    0.00053428    0.00023796     3.478e-05    0.00030176 ↙
0.00043201      0.01375     0.00051348     0.041482      0.0017676     0.090564 ↙
0.00092499    0.00030176     0.0018194     0.0024805      0.022563      0.012895 ↙
0.00068381     0.0012888    9.6002e-05     0.0011242     0.0003482     0.034377 ↙
0.0016194     0.0008426      0.14503     0.00061648     0.0011242      0.013877 ↙
0.0019275     0.030643        0.2558      0.48571        0.31703        2.335 ↙
0.31349        0.92941       3.1174       0.31349        16.542         28.879 ↙
7.4825        121.82        784.43        895.51         26.733             0 ↙
0         0               0             0       0.37143        276.77        839.56 ↙
279.65       0.027778            0           0           0                0 ↙
0             0        5.0857        13.209        271.32        364.03        360.76 ↙
25.533       11.679
    0.0004462     0.013411    0.00050179    0.00020128    7.0674e-05    0.00025698 ↙
0.0001878    0.013235     0.00014724     0.015302      0.022674      0.0012663 ↙
0.15581        1.2227     0.00026745    0.00025698    0.00079019     0.0021024 ↙
0.0028489      0.0014827    6.9961e-05    8.8267e-05    1.7063e-06    8.7104e-05 ↙
2.9337e-05    0.0038352     8.8172e-05     0.028262     6.2536e-05      0.17821 ↙
0.00011945    8.7104e-05     0.0006462    0.00014765     0.0039059     0.0095138 ↙
0.00023561     0.0014465     6.512e-06     0.0014986    8.9782e-05     0.015815 ↙
0.0014394    0.00015917      0.21054      0.0011019     0.0014986     0.0034546 ↙
0.0024643      0.00285      0.089962      0.31111        0.34376       3.0707 ↙
0.42143          1.315       2.8263       0.32063              9        0.11111 ↙
10.263        73.797        327.12         180.6              0             0 ↙
0         0               0             0          0.25        109.55        109.51 ↙
1.3778              0           0           0           0                0 ↙
0             0             0        4.3516        270.81        1634.9        2308.4 ↙
0           0
    0.0006727     0.012854    0.00050104    0.00016217    7.0284e-05    0.00023916 ↙
0.00021111    0.013728     0.00013307     0.030831      0.023122      0.0015179 ↙
0.1506         1.2209     0.00033381    0.00023916    0.00064045      0.002002 ↙
0.0022089     0.00083014    6.4922e-05    0.00010891    1.2591e-06     0.0002146 ↙
2.8777e-05    0.0035745     8.5633e-05     0.021114     5.1216e-05      0.18408 ↙
0.00015029     0.0002146    0.00057988    0.00026419     0.0059131      0.012423 ↙
0.00024414     0.0021391    7.3876e-06     0.0017426     0.0001035     0.014981 ↙
0.0020977    0.00024178      0.19424      0.0016123     0.0017426     0.0049578 ↙
0.0039016     0.002651       0.17606      0.37143        0.35507        10.95 ↙
0.98016         1.1188       2.9517        0.2373        8.0278        0.11111 ↙
8.9206        96.713        335.83        193.83              0             0 ↙
```

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0         0                0             0             0        115.17        114.68 ↙
0.69444              0            0           0            0                 0 ↙
0             0             0         6.123        484.86        1159.5        2623.4 ↙
1.2087            0
    0.0014066     0.017605     0.0005675    0.00057171    0.00015622    0.00023634 ↙
0.00030402    0.020866     0.00043578     0.012759       0.01067      0.0021955 ↙
0.098602       0.20101      0.0013149    0.00023634     0.0047383     0.0011616 ↙
0.0057387      0.0030525    0.00017086    0.00021225    1.2631e-05    0.00023857 ↙
0.00010693     0.010454     0.00023067     0.033579      0.0004354     0.046221 ↙
0.00048204    0.00023857     0.0020153    0.00066969     0.0033345      0.019924 ↙
0.00021721    0.00020155    1.6804e-05    0.00042025    0.00013877     0.026906 ↙
0.00021955    0.00071311     0.088915     0.00024156    0.00042025      0.001017 ↙
0.00070999     0.014189       0.19186      0.36429        0.05655       6.3448 ↙
0.90397        0.98788       1.4722       0.30714             9        0.13571 ↙
19.625        246.38        468.54        90.237         28.286       30.218 ↙
0         0                0             0          12.8        152.71        198.54 ↙
10.593              0            0           0            0                 0 ↙
0.27302        3.2087        24.743        119.28        204.92        205.25 ↙
1.4063              0            0
    0.0014066     0.017605     0.0005675    0.00057171    0.00015622    0.00023634 ↙
0.00030402    0.020866     0.00043578     0.012759       0.01067      0.0021955 ↙
0.098602       0.20101      0.0013149    0.00023634     0.0047383     0.0011616 ↙
0.0057387      0.0030525    0.00017086    0.00021225    1.2631e-05    0.00023857 ↙
0.00010693     0.010454     0.00023067     0.033579      0.0004354     0.046221 ↙
0.00048204    0.00023857     0.0020153    0.00066969     0.0033345      0.019924 ↙
0.00021721    0.00020155    1.6804e-05    0.00042025    0.00013877     0.026906 ↙
0.00021955    0.00071311     0.088915     0.00024156    0.00042025      0.001017 ↙
0.00070999     0.014189       0.19186      0.36429        0.05655       6.3448 ↙
0.90397        0.98788       1.4722       0.30714             9        0.13571 ↙
19.625        246.38        468.54        90.237         28.286       30.218 ↙
0         0                0             0          12.8        152.71        198.54 ↙
10.593              0            0           0            0                 0 ↙
0.27302        3.2087        24.743        119.28        204.92        205.25 ↙
1.4063              0            0
    0.0021496     0.015073     0.0010101    0.00098325      0.000313     0.0011062 ↙
0.0008137    0.021695     0.00060798    0.0054695     0.0081397      0.0052066 ↙
0.025382       0.09531      0.0029551     0.0011062     0.0030442     0.0052324 ↙
0.0024381      0.0039658    0.00016683    0.00039238    7.0975e-06    0.00052441 ↙
0.00014961    0.0064188     0.00043284     0.023474     0.00099631     0.053249 ↙
0.00080124    0.00052441     0.0011606     0.0015632     0.0050258      0.022134 ↙
0.00045465     0.0034224    3.9024e-05      0.004047     0.0002729     0.026059 ↙
0.00054474     0.0010855     0.096285      0.0029029      0.004047      0.004914 ↙
0.0095524     0.018601       0.25546      0.59286        0.21392       2.4668 ↙
0.35159        0.58907       1.6948        0.2373         8.0278          0.25 ↙
85.883        194.75        371.51        98.292         65.037       39.913 ↙
0         0                0             0       0.69444        574.16        561.97 ↙
3.6571              0            0           0            0                 0 ↙
1.4063        6.8659        607.27        440.66        638.74        1497.6 ↙
0             0            0
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    0.0016389      0.01238     0.0006796    0.00058787    0.00021219    0.00060482 ↙
0.0004935    0.017269     0.00043914    0.0033356     0.0051389      0.0029189 ↙
0.035685        0.1248        0.00168    0.00060482     0.0021124     0.0026314 ↙
0.0020507     0.00098617    5.9322e-05    0.00013934    2.8221e-06    0.00037874 ↙
5.6171e-05    0.0033014     0.00012892     0.023584     0.00045399     0.035543 ↙
0.00028099    0.00037874    0.00073005     0.0017286     0.0011711      0.015501 ↙
0.00014319    0.00063606    1.0924e-05    0.00089858    7.2041e-05     0.015837 ↙
0.0001937    0.00039119     0.084289     0.00069875    0.00089858    0.00075477 ↙
0.0042873     0.012371        0.3075      0.64444       0.075106       1.4342 ↙
0.34286        0.45535       1.1261        0.2754             9        0.11111 ↙
31.216        140.88        235.46         55.78         25.856       34.971 ↙
0         0                0             0             0           191        189.05 ↙
1.6214              0            0           0            0                0 ↙
0        8.0921         188.9        78.199        167.42        64.114             0 ↙
0            0
    0.0052985      0.01688    0.00092269     0.0010187    0.00017836     0.0010262 ↙
0.00039912    0.024048      0.0010583     0.011499     0.0038769      0.0015246 ↙
0.12037       0.48918      0.0010667     0.0010262     0.0034792     0.0029511 ↙
0.0019243      0.0069144    0.00069617    0.00020924    5.6185e-05    0.00046243 ↙
0.00054705     0.013758      0.0004988     0.061713      0.0021792     0.020292 ↙
0.0010325    0.00046243     0.0015415     0.0025042     0.0061748      0.019815 ↙
0.00052864    0.00064445    4.3041e-05    0.00037609    0.00034157     0.034888 ↙
0.00063269     0.0014873      0.09513     0.00018986    0.00037609     0.0040988 ↙
0.0049235     0.038493       0.57316      0.91429       0.055414       3.0561 ↙
0.44683        0.76212       5.6344       0.63492             9        0.11111 ↙
0.69206        51.543        621.57        215.84         57.437       41.094 ↙
0         0                0             0        12.044        295.14        495.34 ↙
26.866              0            0           0            0                0 ↙
0        10.483        32.543        90.593        1095.2        1276.6       0.44444 ↙
0            0
    0.0067706     0.019081     0.0010405    0.00086758    0.00021052    0.00095362 ↙
0.00054464      0.0289      0.0009101     0.014885     0.0058848      0.0023503 ↙
0.11421       0.45929      0.0009772    0.00095362     0.0034277     0.0026612 ↙
0.0015952       0.014646     0.0008058    0.00073227    8.0347e-05     0.0011971 ↙
0.00048139     0.022363      0.0011454     0.046308      0.0015135     0.023585 ↙
0.0015961     0.0011971     0.0014394     0.0043968      0.003125       0.03168 ↙
0.00038641    0.00039681     3.576e-05    0.00040935     0.0002066      0.04446 ↙
0.00039584     0.0010388      0.12127     0.00014637    0.00040935      0.001985 ↙
0.0063969     0.031311       0.40145      0.59921       0.11226       4.7972 ↙
0.52302         1.4105       4.3481       0.34921        8.0278        0.27302 ↙
2.9778         69.78        419.14        232.37         68.294       70.409 ↙
0         0                0             1        36.593        367.91        535.79 ↙
63.399              0            0           0            0                0 ↙
1.6825           7.2        31.635        101.85        537.68        574.33 ↙
0.48571              0            0
    0.0016839     0.010916     0.0012239     0.0018036    0.00041767      0.001556 ↙
0.00097036    0.013077      0.0011507    0.0043335       0.01897      0.0051574 ↙
0.0088321      0.037008      0.0051157      0.001556     0.0010673     0.0037847 ↙
0.0041471       0.015454     0.0016597    0.00090519    0.00032364    0.00091595 ↙
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0.001351     0.025399      0.0017182     0.012004      0.0068226     0.022035 ↙
0.0034922    0.00091595     0.0034568     0.0068758       0.00163      0.026635 ↙
0.00050088      0.000495    3.4426e-05    0.00029383    0.00021898     0.029405 ↙
0.00030183    0.00065955      0.31679     0.00095146    0.00029383     0.0011756 ↙
0.0017538     0.052779       0.14592      0.75159       0.033757       2.5367 ↙
0.70714         2.7364       2.3277       0.42143             9         14.485 ↙
494.89        114.46         141.28         85.99         100.43       1.8373 ↙
0         0                 0       0.11111        46.879        253.89        1079.7 ↙
443.95         4.0921             0           0            0                 0 ↙
0              0         3.6349        22.504        200.08        349.21        504.99 ↙
46.273             0
    0.0042445     0.052644     0.0017904     0.0026536     0.0003018     0.0025233 ↙
0.00085605    0.068958      0.0020158     0.022861      0.022846      0.0026824 ↙
0.17768         2.4549      0.0048054     0.0025233     0.0008931     0.0018962 ↙
0.015239      0.0074411     0.0015276    0.00051586    0.00095134    0.00088461 ↙
0.0013132     0.027916      0.0017038      0.01822      0.0088065    0.0085581 ↙
0.0043939    0.00088461     0.0052375     0.0057998     0.0016306       0.05145 ↙
0.00071905      0.000356     6.126e-05    0.00037841    0.00030019     0.055367 ↙
0.00017667    0.00093016      0.57844     0.00045574    0.00037841     0.0014187 ↙
0.010605     0.087604        6.6981       6.7706       0.020949        3.299 ↙
0.82857         3.4769       2.1043       0.52302        8.9992        0.68571 ↙
8.3206        121.37         417.38         364.99         625.68       6.9302 ↙
0.027778         0           0.56111        149.91        83.209          39.4 ↙
131.8         127.02         71.086       0.57778            0             0 ↙
0              0        0.69444        11.254        16.654        263.93        380.79 ↙
39.78          58.302             0

Standard Deviation Statistics:
    Feature_1    Feature_2    Feature_3    Feature_4    Feature_5    Feature_6 ↙
Feature_7    Feature_8    Feature_9    Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43    Feature_44    Feature_45    Feature_46    Feature_47    Feature_48 ↙
Feature_49    Feature_50    Feature_51    Feature_52    Feature_53    Feature_54 ↙
Feature_55    Feature_56    Feature_57    Feature_58    Feature_59    Feature_60 ↙
Feature_61    Feature_62    Feature_63    Feature_64    Feature_65    Feature_66 ↙
Feature_67    Feature_68    Feature_69    Feature_70    Feature_71    Feature_72 ↙
Feature_73    Feature_74    Feature_75    Feature_76    Feature_77    Feature_78 ↙
Feature_79    Feature_80    Feature_81    Feature_82    Feature_83    Feature_84 ↙
Feature_85    Feature_86    Feature_87    Feature_88

    _________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
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_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    _________

    0.048198      0.11721     0.031631     0.028457      0.010891     0.02568 ↙
0.025555     0.13585     0.024777        0.1201       0.17247      0.052038 ↙
0.26423      0.68557       0.046166       0.02568      0.026064      0.034878 ↙
0.050807       0.09488       0.02285      0.028112     0.0052175      0.024942 ↙
0.019077       0.10916      0.032925      0.17811       0.037215      0.32267 ↙
0.041316      0.024942      0.036184      0.034211      0.039653      0.090219 ↙
0.014375      0.017672     0.0028938      0.013313      0.010731      0.096185 ↙
0.014963      0.021606      0.35342       0.021451      0.013313      0.027364 ↙
0.034112       0.13849      0.87887        1.2277       0.39607        1.8877 ↙
0.65405       0.92462        1.7132       0.57666        2.8333       0.33333 ↙
10.953        22.141        27.931         16.77       0.16667             0 ↙
0          0                0             0         4.801        21.788        24.257 ↙
1.3369             0             0             0          0                0 ↙
0             0             0        2.6271        13.062        15.226        19.569 ↙
1.1052             0
     0.04683      0.11747     0.028793     0.025767     0.0097041    0.026028 ↙
0.022242     0.12542     0.023972      0.095859       0.15036      0.051113 ↙
0.41014       1.2409       0.045586      0.026028      0.026958      0.040404 ↙
0.073691      0.091777       0.02387      0.026164     0.0055443      0.021887 ↙
0.019515       0.12174      0.031007      0.20014       0.039078      0.40586 ↙
0.0395      0.021887      0.051341      0.037469      0.030642       0.08271 ↙
0.012251      0.018097     0.0023747      0.013688     0.0090385      0.082085 ↙
0.015077      0.017619      0.30854       0.023148      0.013688      0.021764 ↙
0.034087       0.12997       1.1071        1.3546       0.62949        2.0743 ↙
0.6088        0.8418        1.8336       0.64488             3       0.33333 ↙
11.157        20.877        30.284         19.04       0.36839             0 ↙
0          0                0             0        4.7035         19.56        22.344 ↙
2.613              0             0             0          0                0 ↙
0             0             0         2.004        14.528        12.854        21.384 ↙
0             0
    0.048494      0.11727     0.018102     0.025787     0.0072958    0.023046 ↙
0.0087787     0.11618      0.02378      0.051899       0.06076      0.026468 ↙
0.44703      0.87862       0.020692      0.023046      0.052236      0.025273 ↙
0.058636      0.039727      0.017344      0.019005     0.0052453      0.020735 ↙
0.017496      0.071794      0.021732      0.10046       0.042149      0.17811 ↙
0.02283      0.020735      0.046181      0.088365      0.028538      0.084921 ↙
0.011856      0.021201     0.0032795      0.027082       0.01088      0.097028 ↙
0.013414      0.024715      0.11823       0.019936      0.027082      0.020907 ↙
0.054425       0.14332      0.51728       0.69179       0.43748        1.0907 ↙
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0.59894       0.34272         1.082        0.5599             3       0.16667 ↙
0.86694        14.392         12.65        7.5786        7.4084             0 ↙
0          0               0             0             0             0            0 ↙
12.572        20.963        15.842             0          0                 0 ↙
0       0.66667        3.8507        14.803        22.397        22.021            0 ↙
0             0
    0.050532      0.11841     0.022714     0.018794      0.010209     0.021451 ↙
0.014182     0.13435     0.017376      0.070504        0.1205      0.034729 ↙
0.36669      0.66731       0.024388      0.021451      0.062684      0.030793 ↙
0.066246      0.036827      0.012282      0.011918      0.004524      0.021859 ↙
0.013452      0.084909      0.012492      0.16867       0.029567      0.12116 ↙
0.015344      0.021859      0.028609       0.15463      0.051089       0.16982 ↙
0.014681       0.02194     0.0042275      0.026727      0.011134       0.18286 ↙
0.015447      0.028087      0.47904      0.0097524      0.026727      0.035673 ↙
0.029072      0.095158      0.54619       0.82038        0.3106        1.0815 ↙
0.54917        1.5807        1.3491       0.66845        2.8333       0.33333 ↙
1.2225        11.513        15.424         9.059        7.0321       0.83333 ↙
0          0               0             0             0             0            0 ↙
8.5101        18.849        15.098       0.89443          0                 0 ↙
1.8048        3.4763        8.7183         13.02        12.275        13.342 ↙
0.33333             0             0
    0.079396     0.099772     0.039533     0.013472      0.020962     0.015368 ↙
0.033999     0.16113     0.018272       0.05483      0.058533      0.073573 ↙
0.13755      0.34339       0.035173      0.015368      0.052796      0.047573 ↙
0.040206      0.054742      0.018299      0.016436     0.0042429      0.017169 ↙
0.015498      0.083502      0.015143      0.07754       0.030263      0.20451 ↙
0.026323      0.017169      0.032506      0.019513      0.049809      0.019664 ↙
0.012379      0.025056     0.0032111      0.030636     0.0087809      0.058902 ↙
0.026684       0.01326      0.17324       0.028187      0.030636      0.047798 ↙
0.059925       0.10615      0.67643       0.87105        0.3473        1.3482 ↙
0.56625       0.15836        1.2331       0.54917             3        1.9443 ↙
16.39        16.078        13.258        9.3038        14.717       0.50709 ↙
0          0               0             0             0             0            0 ↙
25.526        27.881        9.8022             0          0                 0 ↙
0             0             0        7.7428        27.461        15.663        14.828 ↙
0             0
    0.038861      0.10523     0.023433      0.01886      0.012654     0.020328 ↙
0.019797      0.1103      0.01454      0.099796       0.10823      0.043024 ↙
0.15557      0.27281       0.031105      0.020328      0.040816      0.049044 ↙
0.074371      0.070841      0.018204      0.015133     0.0054177      0.015012 ↙
0.01382       0.13105      0.017945      0.11017       0.02781      0.19922 ↙
0.015023      0.015012      0.054551      0.025064      0.071534        0.0327 ↙
0.013416      0.018664     0.0044722      0.018843     0.0096152      0.078621 ↙
0.021016      0.020364      0.17306       0.018549      0.018843       0.05656 ↙
0.068153      0.061526      0.35586       0.54917        0.2694        1.0012 ↙
0.37796       0.25917        1.1312       0.54263        2.9999        3.8582 ↙
10.576        7.8236        12.082        6.5965        6.7034           0.5 ↙
0          0               0             0             0             0        1.1616 ↙
6.6093        11.775        10.713             1          0                 0 ↙
```

```
0             0        1.1667        7.9516        12.844        13.138         8.949 ↙
2             1
    0.031878      0.14902      0.02761     0.014425      0.010004     0.013373 ↙
0.013226     0.15214     0.011236      0.092479       0.12905      0.020022 ↙
0.64148       1.0433       0.012704      0.013373      0.036805      0.011175 ↙
0.040317       0.12092      0.021487      0.019295     0.0056962      0.019282 ↙
0.017312       0.12679      0.023672       0.17809      0.033427       0.29206 ↙
0.032785      0.019282      0.021217      0.055155      0.035749       0.20687 ↙
0.018812      0.022751     0.0068536      0.025141      0.010929       0.19883 ↙
0.018139      0.024168       0.46274      0.015025      0.025141      0.030154 ↙
0.054926      0.077973      0.84319       0.99841       0.64351        1.2432 ↙
0.5542        1.2255         1.453       0.39841        2.8333       0.33333 ↙
0.73679        11.363         13.41        7.8387        1.2734             0 ↙
0          0                0        1.4218        14.624        19.919        14.731 ↙
0             0             0             0          0          0.33333             1 ↙
1.786        4.2527        16.946         12.33        10.291        12.023 ↙
0             0
    0.033448      0.14754      0.02859      0.01676      0.010885     0.023298 ↙
0.01322     0.14898     0.016483       0.07781      0.087909      0.019941 ↙
0.65697       1.1917       0.022907      0.023298      0.056054      0.028481 ↙
0.040985      0.092108      0.021106      0.025508      0.006339      0.024827 ↙
0.018567       0.10085       0.02959      0.12845       0.039265      0.23739 ↙
0.04179      0.024827      0.027942      0.040862      0.051572       0.13979 ↙
0.019022      0.023019     0.0065876      0.021979      0.018454       0.13572 ↙
0.023968      0.050114      0.27404        0.01884      0.021979       0.04266 ↙
0.096601      0.091427         1.13        1.2536       0.44698        1.4327 ↙
0.50709       0.57945        1.1075       0.51331             3       0.16667 ↙
0.46462        14.059        17.725         13.68        5.5362             0 ↙
0          0                0       0.33333        13.233         19.15        18.623 ↙
0             0             0             0          0                0             0 ↙
1.2225        4.0708        17.769        23.095        14.525        19.807 ↙
0.16667             0
    0.060012      0.12641      0.02904     0.026199      0.010629     0.027207 ↙
0.015986     0.14385     0.026872       0.19349       0.13451       0.02438 ↙
0.47904        1.142       0.029853      0.027207      0.033747      0.026676 ↙
0.057161      0.064094      0.021142      0.009856     0.0038982      0.010718 ↙
0.017057       0.09926      0.015064      0.20594       0.028086      0.33363 ↙
0.018406      0.010718      0.035127      0.028127      0.046462      0.067578 ↙
0.0087927       0.01219      0.002361      0.012805     0.0070685       0.09853 ↙
0.010233      0.015001      0.14621       0.014859      0.012805       0.02908 ↙
0.02566       0.14304      0.89848       0.93052       0.81323        2.0043 ↙
0.63746        0.3344        2.3927       0.63932        2.8333       0.33333 ↙
0.79682        24.189        17.536        21.282       0.66667             0 ↙
0          0                0             0             0         18.85        19.787 ↙
3.6527             0             0             0          0                0 ↙
0             0             0        2.3236          9.68        8.8685        9.0368 ↙
1.5877             0
     0.06806      0.18203     0.042816     0.043679       0.01736     0.038979 ↙
0.030067     0.18237     0.038936       0.14701       0.20587      0.030481 ↙
```

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0.54157       1.3212       0.036541      0.038979      0.045745      0.062235 ↙
0.06588      0.084203      0.023115      0.015426     0.0058975      0.017371 ↙
0.020785       0.11726       0.02266      0.20367       0.042043      0.30094 ↙
0.030414      0.017371      0.042655      0.049805       0.15021       0.11356 ↙
0.02615      0.035899      0.009798       0.03353       0.01866       0.18541 ↙
0.040242      0.029027       0.38083       0.024829       0.03353        0.1178 ↙
0.043903       0.17505      0.50577       0.69693       0.56305        1.5281 ↙
0.5599       0.96406        1.7656        0.5599        4.0672        5.3739 ↙
2.7354        11.037        28.008        29.925        5.1704             0 ↙
0          0                0             0       0.60945        16.636        28.975 ↙
16.723       0.16667             0             0          0                0 ↙
0             0        2.2552        3.6344        16.472         19.08        18.994 ↙
5.053        3.4174
    0.021123      0.11581     0.022401     0.014187     0.0084068     0.016031 ↙
0.013704     0.11504     0.012134        0.1237       0.15058      0.035585 ↙
0.39473       1.1058       0.016354      0.016031       0.02811      0.045851 ↙
0.053375      0.038505     0.0083643     0.0093951     0.0013063     0.0093329 ↙
0.0054164      0.061929       0.00939      0.16811       0.007908      0.42215 ↙
0.010929     0.0093329       0.02542      0.012151      0.062497      0.097539 ↙
0.01535      0.038033     0.0025519      0.038712     0.0094753       0.12576 ↙
0.037939      0.012616      0.45884       0.033195      0.038712      0.058776 ↙
0.049641      0.053385      0.29994       0.55777       0.58631        1.7523 ↙
0.64918        1.1467        1.6812       0.56625             3       0.33333 ↙
3.2037        8.5905        18.086        13.439             0             0 ↙
0          0                0             0           0.5        10.467        10.465 ↙
1.1738             0             0             0          0                0 ↙
0             0             0         2.086        16.456        40.434        48.046 ↙
0             0
    0.025937      0.11337     0.022384     0.012735     0.0083835     0.015465 ↙
0.01453     0.11717     0.011535       0.17559       0.15206      0.038961 ↙
0.38807        1.105       0.018271      0.015465      0.025307      0.044744 ↙
0.046999      0.028812     0.0080574      0.010436     0.0011221      0.014649 ↙
0.0053645      0.059787     0.0092538       0.14531      0.0071565       0.42905 ↙
0.012259      0.014649      0.024081      0.016254      0.076897       0.11146 ↙
0.015625      0.046251      0.002718      0.041744      0.010173        0.1224 ↙
0.0458      0.015549      0.44073       0.040153      0.041744      0.070412 ↙
0.062463      0.051488       0.4196       0.60945       0.59588        3.3091 ↙
0.99003        1.0577        1.7181       0.48714        2.8333       0.33333 ↙
2.9867        9.8343        18.326        13.922             0             0 ↙
0          0                0             0             0        10.732        10.709 ↙
0.83333             0             0             0          0                0 ↙
0             0             0        2.4745        22.019        34.051        51.219 ↙
1.0994             0
    0.037505      0.13268     0.023822     0.023911      0.012499     0.015373 ↙
0.017436     0.14445     0.020875       0.11295        0.1033      0.046856 ↙
0.31401      0.44834       0.036262      0.015373      0.068835      0.034082 ↙
0.075754      0.055249      0.013071      0.014569      0.003554      0.015446 ↙
0.010341       0.10225      0.015188      0.18325       0.020866      0.21499 ↙
0.021955      0.015446      0.044893      0.025878      0.057745       0.14115 ↙
```

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0.014738      0.014197     0.0040992        0.0205       0.01178       0.16403 ↙
0.014817      0.026704      0.29819       0.015542        0.0205       0.03189 ↙
0.026646       0.11912      0.43802       0.60356        0.2378        2.5189 ↙
0.95077       0.99392        1.2134        0.5542             3       0.36839 ↙
4.4301        15.696        21.646        9.4993        5.3184        5.4971 ↙
0         0                0             0        3.5777        12.358         14.09 ↙
3.2547             0             0             0          0                0 ↙
0.52251        1.7913        4.9742        10.921        14.315        14.326 ↙
1.1859             0             0
    0.037505      0.13268     0.023822     0.023911      0.012499     0.015373 ↙
0.017436     0.14445     0.020875       0.11295        0.1033      0.046856 ↙
0.31401      0.44834       0.036262      0.015373      0.068835      0.034082 ↙
0.075754      0.055249      0.013071      0.014569      0.003554      0.015446 ↙
0.010341       0.10225      0.015188      0.18325       0.020866      0.21499 ↙
0.021955      0.015446      0.044893      0.025878      0.057745       0.14115 ↙
0.014738      0.014197     0.0040992        0.0205       0.01178       0.16403 ↙
0.014817      0.026704      0.29819       0.015542        0.0205       0.03189 ↙
0.026646       0.11912      0.43802       0.60356        0.2378        2.5189 ↙
0.95077       0.99392        1.2134        0.5542             3       0.36839 ↙
4.4301        15.696        21.646        9.4993        5.3184        5.4971 ↙
0         0                0             0        3.5777        12.358         14.09 ↙
3.2547             0             0             0          0                0 ↙
0.52251        1.7913        4.9742        10.921        14.315        14.326 ↙
1.1859             0             0
    0.046364      0.12277     0.031781     0.031357      0.017692     0.03326 ↙
0.028525     0.14729     0.024657      0.073956       0.09022      0.072157 ↙
0.15932      0.30872       0.054361       0.03326      0.055174      0.072335 ↙
0.049377      0.062975      0.012916      0.019809     0.0026641        0.0229 ↙
0.012231      0.080118      0.020805      0.15321       0.031564      0.23076 ↙
0.028306        0.0229      0.034067      0.039537      0.070893       0.14878 ↙
0.021323      0.058502      0.006247      0.063616       0.01652       0.16143 ↙
0.02334      0.032947       0.3103       0.053879      0.063616        0.0701 ↙
0.097736       0.13639      0.50544       0.76997       0.46251        1.5706 ↙
0.59295       0.76751        1.3019       0.48714        2.8333           0.5 ↙
9.2673        13.955        19.275        9.9142        8.0646        6.3177 ↙
0         0                0             0       0.83333        23.962        23.706 ↙
1.9124             0             0             0          0                0 ↙
1.1859        2.6203        24.643        20.992        25.273        38.699 ↙
0             0             0
    0.040484      0.11127     0.026069     0.024246      0.014567     0.024593 ↙
0.022215     0.13141     0.020956      0.057755      0.071686      0.054027 ↙
0.18891      0.35327       0.040988      0.024593      0.045961      0.051298 ↙
0.045285      0.031403     0.0077021      0.011804     0.0016799      0.019461 ↙
0.0074947      0.057457      0.011354      0.15357       0.021307      0.18853 ↙
0.016763      0.019461      0.027019      0.041576      0.034221        0.1245 ↙
0.011966       0.02522     0.0033052      0.029976     0.0084877       0.12584 ↙
0.013918      0.019779      0.29033       0.026434      0.029976      0.027473 ↙
0.065478       0.11122      0.55452       0.80277       0.27406        1.1976 ↙
0.58554        0.6748        1.0612       0.52478             3       0.33333 ↙
```
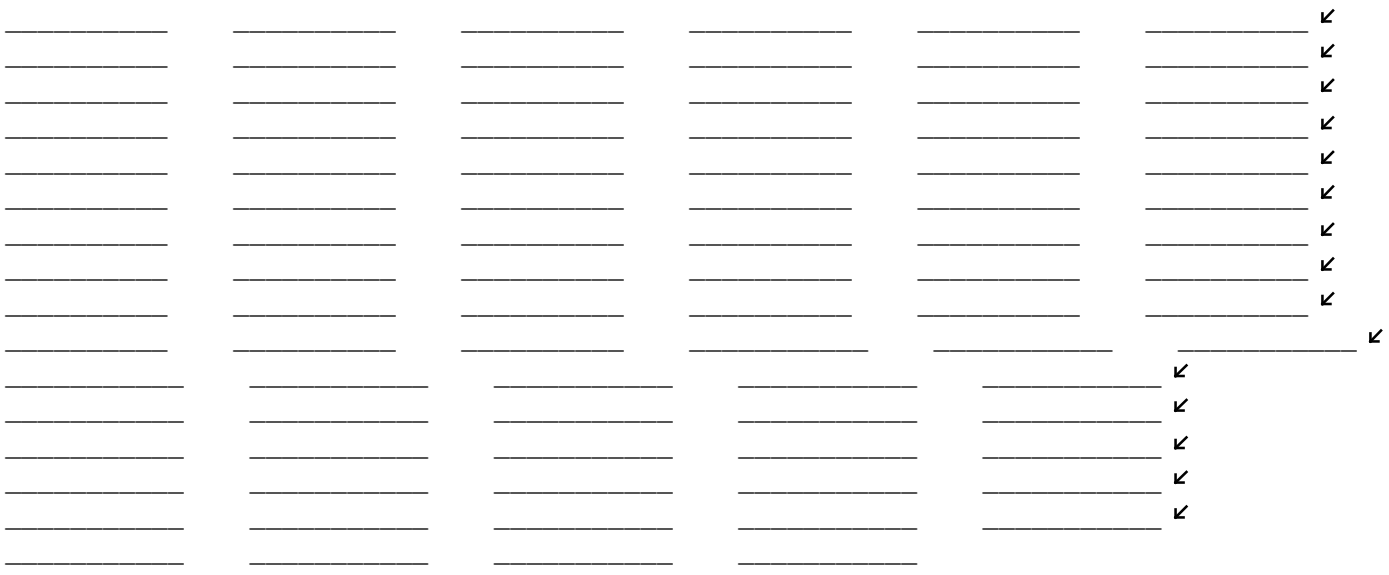

```
5.5871        11.869        15.345        7.4686        5.0849        5.9137 ↙
0          0                0             0             0          13.82         13.75 ↙
1.2734             0             0             0          0                0 ↙
0        2.8447        13.744         8.843        12.939        8.0071             0 ↙
0             0
    0.072791      0.12992     0.030376     0.031918      0.013355     0.032035 ↙
0.019978     0.15507     0.032531       0.10724      0.062265      0.039046 ↙
0.34694      0.69941        0.03266      0.032035      0.058985      0.054324 ↙
0.043867      0.083153      0.026385      0.014465     0.0074956      0.021504 ↙
0.023389       0.11729      0.022334       0.24842       0.046682       0.14245 ↙
0.032133      0.021504      0.039262      0.050042       0.07858       0.14077 ↙
0.022992      0.025386     0.0065606      0.019393      0.018482       0.18678 ↙
0.025153      0.038566       0.30843      0.013779      0.019393      0.064022 ↙
0.070168        0.1962       0.75708       0.95618        0.2354        1.7482 ↙
0.66845         0.873        2.3737       0.79682             3       0.33333 ↙
0.8319        7.1793        24.931        14.692        7.5787        6.4105 ↙
0          0                0             0        3.4705         17.18        22.256 ↙
5.1832             0             0             0          0                0 ↙
0        3.2377        5.7046         9.518        33.093        35.729       0.66667 ↙
0             0
    0.082284      0.13813     0.032256     0.029455      0.014509     0.030881 ↙
0.023337        0.17     0.030168         0.122      0.076712       0.04848 ↙
0.33795      0.67771        0.03126      0.030881      0.058547      0.051587 ↙
0.03994       0.12102      0.028387      0.027061     0.0089637      0.034598 ↙
0.021941       0.14954      0.033843       0.21519       0.038904       0.15357 ↙
0.039951      0.034598       0.03794      0.066308      0.055902       0.17799 ↙
0.019657       0.01992     0.0059799      0.020232      0.014373       0.21086 ↙
0.019896      0.032231       0.34825      0.012098      0.020232      0.044553 ↙
0.079981       0.17695       0.6336       0.77408       0.33505        2.1903 ↙
0.7232        1.1877        2.0852       0.59094        2.8333       0.52251 ↙
1.7256        8.3535        20.473        15.244         8.264         8.391 ↙
0          0                0             1        6.0492        19.181        23.147 ↙
7.9624             0             0             0          0                0 ↙
1.2971        2.6833        5.6245        10.092        23.188        23.965 ↙
0.69693             0             0
    0.041035      0.10448     0.034984     0.042469      0.020437     0.039447 ↙
0.031151     0.11436     0.033921      0.065829       0.13773      0.071815 ↙
0.093979      0.19237       0.071524      0.039447      0.032669       0.06152 ↙
0.064398       0.12431      0.040739      0.030086       0.01799      0.030265 ↙
0.036756       0.15937      0.041451      0.10956       0.082599      0.14844 ↙
0.059094      0.030265      0.058794       0.08292      0.040373        0.1632 ↙
0.02238      0.022249     0.0058674      0.017141      0.014798       0.17148 ↙
0.017373      0.025682      0.56284       0.030846      0.017141      0.034287 ↙
0.041879       0.22974      0.38199       0.86694       0.18373        1.5927 ↙
0.84092        1.6542        1.5257       0.64918             3        3.8059 ↙
22.246        10.698        11.886        9.2731        10.022        1.3555 ↙
0          0                0       0.33333        6.8468        15.934        32.859 ↙
21.07        2.0229             0             0          0                0 ↙
0             0        1.9065        4.7438        14.145        18.687        22.472 ↙
```

```
6.8024             0
     0.06515      0.22944     0.042314     0.051513      0.017372    0.050232 ↙
0.029258      0.2626     0.044897        0.1512       0.15115      0.051792 ↙
0.42153       1.5668       0.069321      0.050232      0.029885      0.043545 ↙
0.12344      0.086262      0.039084      0.022713      0.030844      0.029742 ↙
0.036238       0.16708      0.041277      0.13498       0.093843      0.09251 ↙
0.066286      0.029742      0.072371      0.076156       0.04038       0.22683 ↙
0.026815      0.018868     0.0078269      0.019453      0.017326        0.2353 ↙
0.013292      0.030498      0.76055       0.021348      0.019453      0.037666 ↙
0.10298       0.29598       2.5881         2.602       0.14474        1.8163 ↙
0.91026        1.8647        1.4506        0.7232        2.9999       0.82808 ↙
2.8846        11.017         20.43        19.105        25.014        2.6325 ↙
0.16667          0          0.74907        12.244        9.1219        6.2769 ↙
11.48         11.27        8.4312       0.76012             0          0 ↙
0             0       0.83333        3.3547        4.0809        16.246        19.514 ↙
6.3072        7.6355             0

Statistics for files with 131 features:
Mean Statistics:
    Feature_1    Feature_2    Feature_3    Feature_4    Feature_5    Feature_6 ↙
Feature_7    Feature_8    Feature_9    Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43    Feature_44    Feature_45    Feature_46    Feature_47    Feature_48 ↙
Feature_49    Feature_50    Feature_51    Feature_52    Feature_53    Feature_54 ↙
Feature_55    Feature_56    Feature_57    Feature_58    Feature_59    Feature_60 ↙
Feature_61    Feature_62    Feature_63    Feature_64    Feature_65    Feature_66 ↙
Feature_67    Feature_68    Feature_69    Feature_70    Feature_71    Feature_72 ↙
Feature_73    Feature_74    Feature_75    Feature_76    Feature_77    Feature_78 ↙
Feature_79    Feature_80    Feature_81    Feature_82    Feature_83    Feature_84 ↙
Feature_85    Feature_86    Feature_87    Feature_88    Feature_89    Feature_90 ↙
Feature_91    Feature_92    Feature_93    Feature_94    Feature_95    Feature_96 ↙
Feature_97    Feature_98    Feature_99    Feature_100    Feature_101    Feature_102 ↙
Feature_103    Feature_104    Feature_105    Feature_106    Feature_107 ↙
Feature_108    Feature_109    Feature_110    Feature_111    Feature_112 ↙
Feature_113    Feature_114    Feature_115    Feature_116    Feature_117 ↙
Feature_118    Feature_119    Feature_120    Feature_121    Feature_122 ↙
Feature_123    Feature_124    Feature_125    Feature_126    Feature_127 ↙
Feature_128    Feature_129    Feature_130    Feature_131

    _________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
```



```
     1.2061       0.57943      0.14885      0.92118     0.023128       0.9306
0.12623      0.62665      0.93371     -0.39591      0.31244      0.24319
-0.23269      2.2106      0.80506       0.9306       1.1096        1.058
-0.058152      -0.5719      0.10826      -0.26953     0.012229      -0.24717
0.085048      0.51375      0.29077      -0.46127      0.12692      -0.72961
-0.3226      -0.24717     -0.08689     -0.23135      0.53947       0.10418
0.09429       0.35131    0.0090915       0.36503     0.076593      0.43529
0.3641       0.13246      -0.48127      0.28903       0.36503     0.51871
0.44676       0.006874      0.27281     0.058344      0.92163     0.00038047
0.05804     0.0033717    0.00070727     0.010109      0.92125       0.00115
0.35843         0.968      0.98917    0.00051832    0.00070727    0.0037448
0.29028       0.018733      0.27769    0.00023678       0.05804    0.00034041
0.00039354    0.0052644      0.27745    0.00080958        0.9843     0.00028669
0.00039354    0.0036643      0.32774       0.02285       0.35305    0.00025781
0.05804     0.00051114    0.00038329    0.0052378        0.3528    0.00062174
0.00028429    0.00038329       5.7189        16.017        18.583        3.1135
31.951        9.4722        2.8003        32.345        9.3056        0.47222
0.055556         14.917        101.72         147.11         35.694        0.027778
0             0             0              0              0             2.9167
88.111          208.58        0.38889              0              0              0
0                0             0              0              0        0.88889
20.667        175.31          102.89          0.25              0
     1.2271       0.56409       0.1622      0.92513     0.027114      0.93532
0.13744      0.66299      0.93967     -0.43468      0.32293      0.26385
-0.25037      2.2307      0.80063      0.93532       1.1287       1.0791
-0.047284     -0.54095      0.10386       -0.2562      0.011341      -0.23441
0.082424      0.49367      0.27689       -0.5434      0.12914      -0.63518
-0.31384      -0.23441     -0.077146     -0.21982      0.52487        0.10227
0.092334       0.34446    0.0086714       0.36247     0.074578      0.42261
0.35692       0.12489      -0.58112       0.2859       0.36247     0.50579
0.43068      0.0070351       0.28653     0.058898      0.92769     0.00038423
0.058583     0.0034346    0.00059808     0.010463       0.9273      0.0011762
```

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0.3578       0.96683       0.98663      0.00042505    0.00059808    0.0034694 ↙
0.2601       0.017202      0.25418      0.00021894     0.058583     0.00028894 ↙
0.000342    0.0049358      0.25396       0.0006367     0.98423      0.00024918 ↙
0.000342    0.0035306      0.31841         0.02226      0.34363      0.0001984 ↙
0.058583     0.00048587    0.00030405     0.005164       0.34344     0.00053952 ↙
0.00022152    0.00030405      5.7137        15.757        18.778        3.0438 ↙
31.602        9.5278         2.8168        31.358         9.6111            0.5 ↙
0.055556          19.25          97.75         133.69         48.667        0.083333 ↙
0              0             0                 0              0          2.1389 ↙
81.778          215.11        0.97222              0              0              0 ↙
0                 0              0               0              0        0.61111 ↙
25.556         182.17           91.667             0              0
     1.3996       0.66471      0.16649      0.98701     0.028039      0.96082 ↙
0.12764       0.7349        1.0011       0.68917       0.46454      0.17729 ↙
0.56906       2.9798        0.88336      0.96082        1.1294       0.98441 ↙
0.75485       0.17012       0.14789       0.42598      0.022164       0.44524 ↙
0.12768       0.58473       0.45105       0.79423       0.24895      0.091313 ↙
0.28276       0.44524         0.7178      0.40421      0.33036        -0.18595 ↙
0.14104       0.078317      0.020028      0.083777      0.12795       0.5163 ↙
0.16235       0.26712      -0.019204     -0.056554       0.083777     0.31179 ↙
0.22751       0.0077473       0.20322      0.062518      0.98624      0.00037952 ↙
0.062148      0.0038651     0.00062364     0.011529      0.98586       0.0011766 ↙
0.37939       0.98071        0.58391      0.00044959    0.00062364    0.0047749 ↙
0.43996       0.027952       0.42294      0.00031426     0.062148     0.00076271 ↙
0.00051704    0.0068134       0.42263      0.00085643     0.71389      0.00037861 ↙
0.00051704    0.0031683       0.15542       0.010217      0.089908     0.00032906 ↙
0.062148     9.5299e-05    0.00051497    0.0041956      0.089579     0.00078786 ↙
0.00038035    0.00051497       6.0809        16.728        17.917        2.0128 ↙
32.658        9.3889           1.644         32.202         9.5278            0.5 ↙
0.027778        0.36111          73.194         161.17         50.222          14.528 ↙
0              0             0                 0              0              0 ↙
0                0          85.667          173.14          41.194              0 ↙
0                  0               0         0.11111          1.9722         116.72 ↙
95.528          85.667                0              0
     1.4403       0.65187       0.1773       1.0136     0.031937      0.99308 ↙
0.13754       0.78838       1.0292       0.68418       0.40553      0.20011 ↙
0.40593       2.8125        0.90271      0.99308        1.1853        1.0103 ↙
0.80847       0.11234         0.1856       0.43641      0.034595       0.46892 ↙
0.16643       0.69613       0.47426       0.77782       0.33848     -0.020293 ↙
0.24957       0.46892        0.76391       0.48158      0.25183        -0.34728 ↙
0.14477      -0.022688      0.021169      -0.032071       0.12715      0.59911 ↙
0.14781       0.25182        -0.13138      -0.14411      -0.032071      0.22423 ↙
0.16003       0.0079801       0.16974       0.064184       1.0115       0.00042215 ↙
0.063803      0.0040721     0.00064993      0.011852       1.0111        0.0013321 ↙
0.39083       0.96463        0.28705      0.00046571    0.00064993     0.0050865 ↙
0.49981       0.029747       0.43792      0.00030963     0.063803      0.00086236 ↙
0.00048934    0.0073855       0.43762      0.00083891     0.50555       0.00035912 ↙
0.00048934    0.0028052       0.12833       0.0091264      0.082035      0.00026571 ↙
0.063803     7.6113e-05    0.00043916    0.0037359       0.08177      0.00066162 ↙
```

```
0.0003277    0.00043916      6.2605       16.567       18.111       1.7327 ↙
32.534        9.3889        2.3836       31.573        9.6944      0.47222 ↙
0.055556       0.63889        61.278        159.97        54.361        23.083 ↙
0.13889             0           0             0             0             0 ↙
0               0         100.92        131.5         67.25       0.33333 ↙
0                 0        0.66667       1.9722        16.861        143.19 ↙
124.31        12.944       0.055556             0             0
      1.443       0.46905      0.26639      0.93689     0.072485      0.93308 ↙
0.23293       0.9739      0.97461        0.774       0.62069      0.47736 ↙
0.048441      1.7996       0.69316       0.93308        1.2863       1.1913 ↙
0.64824      0.15198        0.1163       0.37907      0.013852       0.37155 ↙
0.096166      0.49626       0.39692       0.69389        0.1682       0.26282 ↙
0.28997       0.37155       0.62757       0.42734       0.45629      -0.055331 ↙
0.12937        0.20299      0.016885        0.2198       0.10713       0.51163 ↙
0.24073       0.19394      -0.21502       0.10234        0.2198       0.44452 ↙
0.35854       0.008416       0.43416      0.060571        0.9334      0.00057692 ↙
0.06009     0.0036116     0.00089112     0.012391       0.93283       0.0014891 ↙
0.36788       0.99507       0.93088      0.00064217    0.00089112     0.0038541 ↙
0.36628       0.024816      0.38064      0.00021485      0.06009      0.00060409 ↙
0.00034601      0.00563      0.38043      0.00059823      0.94844      0.00024947 ↙
0.00034601    0.0035024       0.2375       0.014871       0.20141      0.00028736 ↙
0.06009     0.00021221    0.00043475    0.0048882        0.20113     0.00068251 ↙
0.00031915    0.00043475       5.915        16.176        18.389        2.3463 ↙
32.338        9.2778        2.1559        32.215        9.3889             0.5 ↙
0.86111         58.389         74.306         67.361         75.194         23.222 ↙
0.16667             0           0             0             0             0 ↙
0               0         83.722         204.83         11.444             0 ↙
0                 0             0              0             0         24.861 ↙
108.64         147.39         19.111             0             0
     1.4616       0.49507      0.25347      0.94623     0.064779      0.93921 ↙
0.21812      0.96655      0.97983       0.66229       0.57064      0.42833 ↙
0.14136        1.96       0.72046       0.93921        1.257        1.1435 ↙
0.68198      0.12529       0.12476        0.3991      0.015888        0.3966 ↙
0.09663      0.55669       0.41836       0.83996       0.14119       0.07801 ↙
0.32708        0.3966       0.66487       0.41995       0.46691      -0.12547 ↙
0.14834        0.15675     0.022181        0.17104      0.12334       0.59238 ↙
0.21584       0.22942      -0.026881      0.031916        0.17104      0.44969 ↙
0.35516      0.0081367       0.40058      0.061186      0.94517       0.00039925 ↙
0.060749     0.0036919     0.00073549     0.012257      0.94477        0.0012516 ↙
0.37226       0.99112       0.84126      0.00053251    0.00073549     0.0040293 ↙
0.39853       0.026297       0.4013      0.00017109     0.060749      0.00067869 ↙
0.00026987    0.0060528      0.40113      0.00052774     0.88203       0.00019514 ↙
0.00026987    0.0035165      0.22552       0.013362       0.15434      0.00023716 ↙
0.060749     0.00016814     0.0003654    0.0050072        0.1541      0.00066123 ↙
0.00026601     0.0003654       5.9561        16.176        18.389        2.6597 ↙
32.432        9.1667        2.1466        31.924        9.3611        0.52778 ↙
0.83333         47.472         81.639         74.528         66.833         28.083 ↙
0.083333            0           0             0             0             0 ↙
0         0.27778         61.444         215.61           22.5        0.16667 ↙
```

```
0                0              0              0        0.19444         59.972 ↙
114.86          109.5          14.972        0.33333        0.16667
     1.2914        0.76802       0.11336        1.0077      0.013591       0.98349 ↙
0.087772       0.52338        1.0144       -0.64654          0.528       0.12618 ↙
0.633       3.2077        0.93499        0.98349         1.0826        0.99523 ↙
-0.15491      -0.75384        0.12931       -0.37421        0.01717       -0.34577 ↙
0.10569       0.59893        0.39619       -0.72174        0.18515       -0.69583 ↙
-0.45939       -0.34577       -0.17929       -0.31661       0.50155         -0.18053 ↙
0.16864          0.1772      0.028782         0.16214       0.14537       0.68208 ↙
0.2455        0.28944        0.039796       0.032693         0.16214       0.48203 ↙
0.40903       0.0067028       0.083111       0.063405        1.0075       0.00029104 ↙
0.063164      0.0039905      0.00044443       0.01026        1.0072        0.0007767 ↙
0.38293        0.97114        0.77911        0.0003245     0.00044443     0.0043319 ↙
0.3929         0.02508       0.37825       0.00026054      0.063164      0.00061433 ↙
0.00045493     0.0061901       0.37799       0.00071018      0.88537       0.00033546 ↙
0.00045493     0.0039464       0.27195        0.015274        0.17582      0.00029857 ↙
0.063164      0.00021975     0.00048827     0.0055499        0.17553      0.00064227 ↙
0.00036666     0.00048827       6.1164         16.223         18.444         2.9389 ↙
32.669           9.25         2.3259         32.957          9.1111          0.47222 ↙
0.055556         0.16667         19.917          219.36          59.611          0.41667 ↙
0              0              0                0         0.41667          18.111 ↙
175.36           106.11               0               0               0               0 ↙
0          0.055556         0.16667         0.80556             2.5            30.5 ↙
132.72           96.75             36.5               0               0
     1.3395           0.78       0.12741        1.0297      0.017027        1.0015 ↙
0.10011       0.55948         1.038       -0.68104        0.58602        0.1521 ↙
0.63034       3.0358        0.94406         1.0015         1.1385         1.0219 ↙
-0.084476      -0.73484        0.14963          -0.341       0.022823       -0.30624 ↙
0.12659       0.65036        0.37257         -0.7438        0.24069       -0.55158 ↙
-0.45704       -0.30624       -0.11894       -0.22418        0.50899         -0.17643 ↙
0.16987         0.17465      0.029209         0.15257       0.14769       0.68542 ↙
0.24407        0.29423         0.14352       0.028278         0.15257      0.48876 ↙
0.4032       0.0069641       0.055247       0.064845        1.0291         0.0002725 ↙
0.064586      0.0041726      0.00046285      0.010652         1.0288         0.0008207 ↙
0.38695        0.95355        0.78215       0.00033917     0.00046285     0.0042222 ↙
0.37969        0.023145       0.33921       0.00027436      0.064586      0.00052335 ↙
0.00041086      0.006094       0.33893       0.00060917      0.91201        0.0003067 ↙
0.00041086     0.0039752       0.27725         0.015601        0.17812       0.0003548 ↙
0.064586      0.00022946     0.00052981      0.005498        0.17776      0.00073675 ↙
0.00039567     0.00052981       6.1899         16.826         17.833         2.4251 ↙
32.635         9.1667         2.0977         32.118          9.2778             0.5 ↙
0.027778         0.11111          18.944          205.06          69.944           5.4167 ↙
0              0              0                0        0.055556          19.833 ↙
133.25           146.86               0               0               0               0 ↙
0                0              0         0.36111          2.3333          42.444 ↙
127.03          90.056           37.75        0.027778               0
     1.2172        0.70893       0.11302       0.97056      0.013592       0.96786 ↙
0.092032       0.50826         0.9775       -0.13886        0.37705       0.16276 ↙
0.072482       2.5076        0.88793        0.96786         1.1152         1.0211 ↙
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-0.012906     -0.38267      0.080612      -0.16467      0.006933      -0.14855 ↙
0.064809      0.36976       0.18412       -0.26933       0.10601      -0.61312 ↙
-0.21229      -0.14855     -0.030243      -0.14117      0.57879        0.042502 ↙
0.13274        0.31802     0.017694        0.32058      0.11392      0.53629 ↙
0.3447       0.23002      -0.094552       0.20526       0.32058     0.55274 ↙
0.48525      0.0064335       0.14326       0.06129      0.97357       0.0003172 ↙
0.061062     0.0037313     0.00047155    0.0097995      0.97325      0.00071564 ↙
0.3616       0.92722       0.95817      0.00034668    0.00047155     0.002507 ↙
0.152        0.01156      0.16421      0.00017267     0.061062      0.0001285 ↙
0.00026438    0.0035307      0.16404      0.00044437     0.97317      0.00019429 ↙
0.00026438    0.0041955      0.35163       0.021567       0.31813     0.00029995 ↙
0.061062     0.00044925    0.00044208    0.0060129       0.31783     0.00069441 ↙
0.00032758    0.00044208      5.7669        17.637        16.861        2.9041 ↙
33.316        9.2222         1.9679        34.868         8.8611         0.47222 ↙
0.055556        0.22222         70.111         184.25         44.778          0.11111 ↙
0               0            0                 0              0              0 ↙
23.333          275.19         1.4722              0              0              0 ↙
0                 0              0              0              0        0.97222 ↙
71.111          129.92          97.222        0.77778              0
     1.3177       0.67269      0.13137       1.0229     0.019042       1.0271 ↙
0.10365      0.64497       1.0323      -0.25496       0.17915      0.16782 ↙
-0.10925      3.0134         0.9418        1.0271        1.1505        1.0432 ↙
0.10246     -0.44811       0.11752      -0.13543      0.014331      -0.11009 ↙
0.095445      0.55057       0.17988       -0.45913       0.15901      -0.55523 ↙
-0.20997      -0.11009      0.066403     -0.073714      0.62025       -0.016728 ↙
0.14763          0.3142      0.02246        0.32584      0.12448      0.63697 ↙
0.34754       0.23482       -0.18183       0.19695        0.32584      0.5867 ↙
0.48315      0.0070986      0.076223      0.064293       1.0192       0.00031119 ↙
0.064016     0.0041059     0.00049043     0.010785       1.0189        0.0008393 ↙
0.37763       0.82136       0.94814      0.00035746    0.00049043     0.0030866 ↙
0.16746       0.011143      0.13413      0.00019839     0.064016      0.00011699 ↙
0.00032105    0.0043363      0.13393      0.00057175     0.93606        0.0002364 ↙
0.00032105    0.0046482      0.37576       0.021923       0.31776      0.00032948 ↙
0.064016     0.00046805    0.00050875    0.0065559       0.31743      0.00093251 ↙
0.00037188    0.00050875      6.0532        16.655        17.833        2.8641 ↙
31.876        9.5278         2.4114        32.508         9.4722         0.97222 ↙
1.0833        0.94444         36.111          175.83          81.75          3.3056 ↙
0               0            0                 0              0        0.16667 ↙
35.444          238.42         25.944       0.027778              0              0 ↙
0                 0              0              0        0.66667         1.8611 ↙
75.778          122.53          95.083         2.6944          0.75
     1.2374       0.63704      0.14983       0.94939     0.022937       0.94354 ↙
0.12811      0.60039       0.96139      -0.36282       0.57788       0.2521 ↙
0.005171      2.0832         0.82475       0.94354        1.1589        1.0935 ↙
-0.10954      -0.44453      0.072425      -0.26013      0.0053134      -0.24593 ↙
0.058218      0.33499       0.27012       -0.47494       0.095096      -0.47613 ↙
-0.30489      -0.24593      -0.13258       -0.2148       0.47214          0.12883 ↙
0.075023        0.31222     0.0058576        0.30882      0.061871       0.34331 ↙
0.32144       0.11489       -0.15144       0.25828        0.30882      0.45362 ↙
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0.40429      0.0066735        0.2235      0.060173      0.95098       0.0003609 ↙
0.059909     0.0035898     0.00055418     0.010153      0.95062      0.00085932 ↙
0.35912        0.9886        0.9896      0.00040492    0.00055418    0.0026818 ↙
0.2273       0.017016      0.26215      0.00011144     0.059909     0.00028361 ↙
0.00018108    0.0039599       0.26204      0.00047319     0.99049      0.00012504 ↙
0.00018108     0.002961       0.26428       0.019549       0.30373     0.00018457 ↙
0.059909     0.00037894    0.00027799    0.0043057       0.30355     0.00048365 ↙
0.00020409    0.00027799         5.75         16.95        17.556        2.8817 ↙
33.076          9.25         2.6345        32.969         9.2778             0.5 ↙
0.055556         2.2778         109.44          126.28         61.444                 0 ↙
0              0           0                 0              0       0.083333 ↙
80.222          219.47        0.22222              0              0              0 ↙
0                0              0              0              0        0.86111 ↙
17.778           240          41.361              0              0
     1.2325       0.63243      0.15292      0.94616      0.02387      0.93947 ↙
0.13106      0.60003      0.95867      -0.34922       0.57818      0.26017 ↙
-0.0055268      2.0593       0.81918       0.93947        1.1623        1.0983 ↙
-0.098753     -0.41741      0.068973      -0.23958     0.0048204      -0.22435 ↙
0.055814      0.31865       0.24945       -0.54584      0.091849      -0.52293 ↙
-0.2817      -0.22435      -0.12513      -0.19607      0.50894         0.13598 ↙
0.081762        0.33398    0.0069224          0.3299      0.06749      0.37296 ↙
0.34421       0.12671       -0.13829       0.27357         0.3299     0.49177 ↙
0.43524      0.0066722        0.2353      0.059911      0.94617      0.00034951 ↙
0.059647     0.0035584     0.00054013     0.010138      0.94582      0.00086077 ↙
0.35904       0.98712        0.9889      0.00039307    0.00054013    0.0025774 ↙
0.20502       0.015713      0.24166      0.00016895     0.059647     0.00024141 ↙
0.00025398    0.0036954       0.24149      0.00043479      0.9901      0.00018651 ↙
0.00025398     0.003176       0.29213       0.021208        0.3292      0.0001757 ↙
0.059647     0.00044992    0.00026525    0.0046872       0.32902     0.00046545 ↙
0.00019325    0.00026525       5.7496         16.977          17.5        2.8621 ↙
32.795        9.3611        2.6518         33.35         9.1389         0.47222 ↙
0.055556         2.2222         112.53          122.06         62.667                 0 ↙
0              0           0                 0              0              0 ↙
59.167          240.69        0.13889              0              0              0 ↙
0                0              0              0              0         1.1389 ↙
17.667          208.17          72.667        0.36111              0
     1.5967        0.6319       0.22747       1.0585      0.052293       1.0281 ↙
0.18117      0.96477       1.0829       -0.3538       0.27344       0.2833 ↙
0.56365      2.6995       0.89042       1.0281         1.299        1.1201 ↙
0.021568     -0.63308       0.13614      -0.26233      0.018701      -0.24359 ↙
0.10848      0.65465        0.2957       -0.57306       0.17689      -0.54508 ↙
-0.33928      -0.24359     -0.017579       -0.20246      0.29081        -0.27825 ↙
0.13348       0.026158     0.018029       0.024513      0.11783      0.56905 ↙
0.13651       0.23478      -0.035782     -0.092218       0.024513       0.2651 ↙
0.18726      0.0091768       0.15919       0.067693        1.059       0.00051011 ↙
0.067189     0.0045166       0.0008272     0.013571       1.0585        0.0013899 ↙
0.38736       0.94327       0.30293      0.00059393     0.0008272     0.0042454 ↙
0.31213       0.018505      0.26246      0.00028333     0.067189      0.00032615 ↙
0.00044684    0.0059101       0.26218       0.0010879     0.50081       0.00031515 ↙
```

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0.00044684    0.0029158      0.12052      0.0085482      0.071494     0.00031823 ↙
0.067189      6.546e-05    0.00048164    0.0038077      0.071176     0.00080316 ↙
0.00035342    0.00048164      6.1946        16.731        17.917          2.866 ↙
29.652        10.306        2.1589        32.646        9.4167             0.5 ↙
0.083333         2.5556        65.722         121.97         62.139          38.333 ↙
8.6944              0             0              0              0         3.3333 ↙
97.167          197.25          2.25              0              0              0 ↙
0                  0        0.11111        0.86111              4         135.42 ↙
130.14         29.194         0.27778              0              0
     1.5967        0.6319      0.22747       1.0585     0.052293       1.0281 ↙
0.18117      0.96477       1.0829       -0.3538       0.27344       0.2833 ↙
0.56365      2.6995       0.89042        1.0281         1.299        1.1201 ↙
0.021568     -0.63308       0.13614      -0.26233      0.018701      -0.24359 ↙
0.10848      0.65465        0.2957       -0.57306       0.17689      -0.54508 ↙
-0.33928      -0.24359     -0.017579       -0.20246      0.29081        -0.27825 ↙
0.13348       0.026158     0.018029       0.024513      0.11783      0.56905 ↙
0.13651       0.23478      -0.035782     -0.092218       0.024513      0.2651 ↙
0.18726      0.0091768       0.15919      0.067693        1.059       0.00051011 ↙
0.067189     0.0045166      0.0008272     0.013571       1.0585        0.0013899 ↙
0.38736       0.94327       0.30293      0.00059393     0.0008272     0.0042454 ↙
0.31213       0.018505      0.26246      0.00028333     0.067189      0.00032615 ↙
0.00044684    0.0059101       0.26218       0.0010879     0.50081       0.00031515 ↙
0.00044684    0.0029158       0.12052      0.0085482      0.071494      0.00031823 ↙
0.067189      6.546e-05    0.00048164    0.0038077      0.071176     0.00080316 ↙
0.00035342    0.00048164      6.1946        16.731        17.917          2.866 ↙
29.652        10.306        2.1589        32.646        9.4167             0.5 ↙
0.083333         2.5556        65.722         121.97         62.139          38.333 ↙
8.6944              0             0              0              0         3.3333 ↙
97.167          197.25          2.25              0              0              0 ↙
0                  0        0.11111        0.86111              4         135.42 ↙
130.14         29.194         0.27778              0              0
      1.597       0.61005      0.24898       1.0637     0.062971       1.0397 ↙
0.21125        0.987       1.0929      -0.57655       0.12541      0.40045 ↙
0.27877      2.1141       0.85282        1.0397        1.4052        1.2446 ↙
-0.029649     -0.46687       0.10591      -0.24253      0.011379      -0.24495 ↙
0.091358      0.43723       0.26481       -0.6368       0.17901      -0.017331 ↙
-0.33118      -0.24495     -0.048224       -0.2613      0.26077        -0.30254 ↙
0.14198     -0.0025355      0.020599      -0.035129      0.12534      0.56331 ↙
0.15276        0.2531       0.075952      -0.11915      -0.035129      0.24182 ↙
0.15278      0.0096161        0.1944       0.068224       1.0618       0.00059656 ↙
0.067663     0.0045809     0.00095524      0.013978       1.0612        0.0017959 ↙
0.38816       0.96161       0.44083      0.00067923    0.00095524     0.0033354 ↙
0.242        0.016323       0.23937      0.00025495     0.067663      0.00025753 ↙
0.00039082    0.0046089       0.23912      0.00082444     0.61173       0.00028068 ↙
0.00039082    0.0031319       0.14934      0.0097883      0.083443       0.0003081 ↙
0.067663     8.7901e-05    0.00045932    0.0042089      0.083135      0.00074273 ↙
0.00033755    0.00045932      6.2183        16.284         18.25          2.0469 ↙
32.506        9.3611        2.0002        32.741        9.1389             0.47222 ↙
0.083333         6.0556        78.361         85.917         74.222          46.861 ↙
```

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8.0278             0          0                0             0       0.13889 ↙
100.69          198.5       0.66667             0             0             0 ↙
0                  0       0.27778         1.3611        20.389        141.47 ↙
103           33.5                0             0             0
    1.6227       0.60305       0.2561       1.0578     0.066249       1.0392 ↙
0.21607       1.0196       1.0886      -0.58714      0.074573      0.40558 ↙
0.28971       2.1847      0.83957       1.0392          1.39       1.2412 ↙
-0.035252     -0.47869      0.10941     -0.24882      0.012029     -0.24426 ↙
0.094635      0.44344      0.27186      -0.6042       0.18797     -0.10377 ↙
-0.34359      -0.24426    -0.054979     -0.25027      0.22548      -0.31922 ↙
0.13632      -0.021103     0.018723     -0.056864       0.1205      0.54469 ↙
0.13977       0.24285      0.05443     -0.13114     -0.056864      0.20943 ↙
0.13403      0.0091808      0.19768      0.068104       1.0588     0.00044145 ↙
0.0676     0.0045718     0.00077096     0.013694       1.0583      0.0014812 ↙
0.38772       0.96052      0.31155     0.00054495    0.00077096     0.0033992 ↙
0.25824       0.017066     0.24974      0.0002261       0.0676     0.00028115 ↙
0.00036357    0.0047616      0.24952     0.00082665     0.50048      0.00025896 ↙
0.00036357    0.0027903      0.12301      0.0088253       0.07751     0.00030734 ↙
0.0676     7.0634e-05    0.00046714      0.00366      0.077202     0.00069239 ↙
0.00034914    0.00046714       6.194        16.198        18.389         1.946 ↙
31.474        9.6667        2.0129        32.086        9.3056            0.5 ↙
0.055556         5.6111        83.917         81.472         77.639          39.472 ↙
11.333             0          0                0             0             0 ↙
107.5          192.08        0.41667             0             0             0 ↙
0                  0             0         1.7222        16.194        153.53 ↙
120.89         7.6667                0             0             0
    1.5315       0.70892       0.1905       1.0882     0.037187       1.0767 ↙
0.15166      0.82261       1.1051      -0.35995       0.16112      0.24589 ↙
0.26606      2.6154        0.9558        1.0767        1.3206        1.1603 ↙
-0.0099548     -0.57378       0.13294      -0.24899       0.01835      -0.24406 ↙
0.11251      0.56383       0.28285       -0.60307       0.20361      -0.32301 ↙
-0.34121      -0.24406     -0.025329      -0.27524      0.27348       -0.28676 ↙
0.13855       0.014915     0.019711     0.00042389      0.12336      0.56023 ↙
0.14099       0.24926      -0.051697      -0.10192     0.00042389     0.24644 ↙
0.16777      0.0084245       0.02051      0.068722       1.0834      0.00044609 ↙
0.06833     0.0046724     0.00072084     0.012583        1.083        0.001151 ↙
0.39126       0.93289       0.20063      0.00052587    0.00072084     0.003635 ↙
0.2779       0.017418      0.24759      0.00025457      0.06833     0.00029243 ↙
0.00038527    0.0051337      0.24734      0.00065368     0.49096      0.00028478 ↙
0.00038527    0.0026466      0.11545      0.0084571      0.075563     0.00022154 ↙
0.06833     6.6638e-05    0.00034564    0.0036341      0.075342     0.00052616 ↙
0.0002567    0.00034564       6.2977        17.051        17.333         2.2415 ↙
33.244        9.1944        2.0281        32.492        9.2222            0.5 ↙
0.055556        0.22222             43         120.83         95.611          35.639 ↙
4.1389             0          0                0             0         1.8889 ↙
102.06         193.42        2.6389             0             0             0 ↙
0                  0             0         1.5556        5.1667        142.92 ↙
120.56        29.694        0.11111             0             0
    1.6036       0.66821      0.21026       1.1045      0.04522        1.094 ↙
```

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0.16802      0.93541       1.1247       -0.2793       0.16784      0.27819 ↙
0.2464      2.6326       0.95631         1.094        1.3542        1.1842 ↙
0.030761     -0.63344       0.15377      -0.24279      0.024429      -0.22908 ↙
0.12903       0.6642       0.28791       -0.60606       0.23278      -0.38592 ↙
-0.34842      -0.22908      0.015206      -0.25995      0.31671        -0.29964 ↙
0.14844       0.028169     0.022411        0.01422      0.13171      0.61634 ↙
0.15209       0.26387      -0.043112     -0.098138        0.01422     0.28861 ↙
0.18256      0.0090033      0.019729      0.070047       1.1008      0.00046326 ↙
0.069594     0.0048478     0.00073699      0.01339       1.1003       0.0014097 ↙
0.39957       0.90406       0.28318      0.00052432    0.00073699    0.0042088 ↙
0.31488       0.017899      0.24221      0.00027552     0.069594      0.0003077 ↙
0.00043486    0.0059382      0.24194      0.00087263     0.60485       0.0003097 ↙
0.00043486     0.003184       0.1403      0.0093107      0.076978     0.00033963 ↙
0.069594     7.8018e-05     0.0005403    0.0041659      0.076638     0.00075478 ↙
0.00040256     0.0005403      6.4167        16.963        17.528        2.3401 ↙
32.924        9.3611        2.1477        32.927         9.2222         0.47222 ↙
0.11111        0.77778        43.361         108.94         97.556          39.139 ↙
9.6389              0           0                0        0.16667         5.0833 ↙
101.47          185.25         8.0278             0              0             0 ↙
0                  0        0.44444         1.3333         4.2778         140.08 ↙
107.58         46.111         0.16667             0              0
     1.5231       0.44531      0.28657      0.99087     0.083315      0.99078 ↙
0.24997       1.0778       1.0322     -0.065946       0.46221      0.50807 ↙
-0.0033885        1.81         0.736       0.99078        1.3463         1.257 ↙
0.2426     -0.56286       0.20883      -0.12986      0.045225      -0.10332 ↙
0.18081      0.80546       0.24728       -0.62867       0.36176       -0.2063 ↙
-0.31171      -0.10332       0.21317        0.0651      0.61214      -0.0064542 ↙
0.12776        0.37581      0.01681        0.39477     0.099062      0.61859 ↙
0.39772       0.15971       -0.67336       0.29892        0.39477     0.59898 ↙
0.44537      0.0095363       0.42935      0.063896      0.97845      0.00064693 ↙
0.063286     0.0040086      0.0011718     0.013491       0.9778       0.0025584 ↙
0.38429         0.608         0.9689      0.00081446     0.0011718    0.0045244 ↙
0.2813       0.014794      0.13584       0.0005058     0.063286     0.00020267 ↙
0.00079641    0.0058908      0.13534       0.0011705     0.72022       0.0005883 ↙
0.00079641    0.0044228      0.38979       0.024801       0.37547     0.00027211 ↙
0.063286     0.00059861    0.00045097    0.0063599       0.37519     0.00080109 ↙
0.00033178    0.00045097      6.2118        12.066        24.639        1.9156 ↙
24.444         12.25         3.6781        24.892         11.917             0.5 ↙
2.5278         44.722         68.667         63.472         71.194          48.278 ↙
0.63889             0           0                0       0.055556           3.75 ↙
70.667          125.17         99.639        0.72222             0             0 ↙
0                  0              0              0        0.72222         4.3056 ↙
19.472         131.78          139.61         4.1111             0
     1.5391       0.65715       0.1691       1.2234     0.030337       1.2559 ↙
0.13273      0.88195        1.236       0.33755     0.0031977      0.22196 ↙
-0.87793      3.8356         1.1247        1.2559        1.4144         1.3384 ↙
0.39578      -1.0462       0.39781      -0.24529       0.15974       -0.1737 ↙
0.34931        1.442       0.46714       -0.70182       0.72172       -0.2948 ↙
-0.60884       -0.1737       0.34603       0.12563      0.63862        -0.11015 ↙
```

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0.1486        0.32292     0.022781        0.30119       0.1149      0.74876 ↙
0.35659       0.19358       -0.20928       0.23468        0.30119     0.61902 ↙
0.37349        0.00901      -0.39933      0.076912       1.2179      0.00044173 ↙
0.076512     0.0058638     0.00067911     0.013436       1.2175       0.0013799 ↙
0.46671       0.60432       0.94888       0.0004889    0.00067911    0.0075686 ↙
0.73269       0.029067      0.26181      0.00065527     0.076512     0.00079434 ↙
0.00098162     0.010537      0.26115       0.0014432     0.77737      0.00072336 ↙
0.00098162    0.0045584      0.38127       0.022209       0.32186     0.00028408 ↙
0.076512     0.00047377     0.0004633    0.0065446       0.32158     0.00077078 ↙
0.00033932     0.0004633       7.498         18.013        17.028        1.7928 ↙
24.746        12.167        3.8679         24.659        12.139         0.52778 ↙
0.33333         2.2778            11          48.222         135.58          100.42 ↙
1.6111       0.027778            0           0.19444         15.444         60.139 ↙
50.5          64.972          98.194          10.333        0.22222              0 ↙
0                  0               0         0.13889         2.9444         3.4444 ↙
39.194         168.31          78.361          7.6111              0

Variance Statistics:
    Feature_1    Feature_2    Feature_3     Feature_4     Feature_5     Feature_6 ↙
Feature_7     Feature_8    Feature_9     Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43    Feature_44    Feature_45    Feature_46    Feature_47    Feature_48 ↙
Feature_49    Feature_50    Feature_51    Feature_52    Feature_53    Feature_54 ↙
Feature_55    Feature_56    Feature_57    Feature_58    Feature_59    Feature_60 ↙
Feature_61    Feature_62    Feature_63    Feature_64    Feature_65    Feature_66 ↙
Feature_67    Feature_68    Feature_69    Feature_70    Feature_71    Feature_72 ↙
Feature_73    Feature_74    Feature_75    Feature_76    Feature_77    Feature_78 ↙
Feature_79    Feature_80    Feature_81    Feature_82    Feature_83    Feature_84 ↙
Feature_85    Feature_86    Feature_87    Feature_88    Feature_89    Feature_90 ↙
Feature_91    Feature_92    Feature_93    Feature_94    Feature_95    Feature_96 ↙
Feature_97    Feature_98    Feature_99    Feature_100    Feature_101    Feature_102 ↙
Feature_103    Feature_104    Feature_105    Feature_106    Feature_107 ↙
Feature_108    Feature_109    Feature_110    Feature_111    Feature_112 ↙
Feature_113    Feature_114    Feature_115    Feature_116    Feature_117 ↙
Feature_118    Feature_119    Feature_120    Feature_121    Feature_122 ↙
Feature_123    Feature_124    Feature_125    Feature_126    Feature_127 ↙
Feature_128    Feature_129    Feature_130    Feature_131

    _________    _________    __________    __________    __________    __________ ↙
__________    _________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
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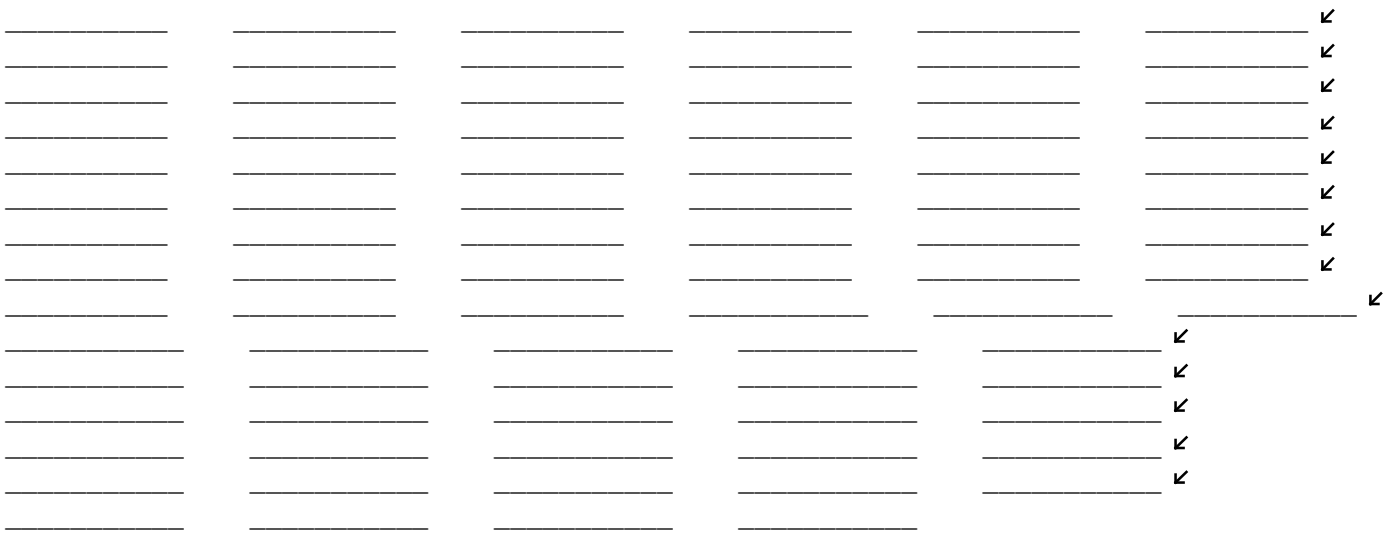

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     0.002323     0.013738     0.0010005    0.00080982     0.0001186    0.00065946
0.00065306    0.018456     0.00061392     0.014423      0.029746       0.002708
0.069815       0.47001      0.0021313    0.00065946    0.00067934     0.0012165
0.0025814      0.0090022     0.0005221    0.00079027    2.7222e-05    0.00062209
0.00036392     0.011917       0.001084     0.031724      0.0013849      0.10411
0.001707    0.00062209     0.0013093     0.0011704     0.0015724     0.0081394
0.00020664    0.00031228    8.3742e-06    0.00017723    0.00011516    0.0092516
0.0002239    0.00046681      0.12491     0.00046013    0.00017723     0.0007488
0.0011636    1.1719e-06     0.010992     2.8787e-06    0.00097259    9.2147e-08
3.0928e-06    4.3878e-08    2.9807e-07    9.2567e-07    0.00097577    4.6854e-07
8.7032e-05    0.00031368    6.3603e-05    1.7428e-07    2.9807e-07    5.6048e-07
0.002334    2.7942e-06    0.00045223    5.6031e-08    3.0928e-06    3.4229e-09
1.4864e-07    8.5822e-07    0.00045044    2.5248e-07    5.9409e-05    8.5801e-08
1.4864e-07    3.9543e-07    0.00039944    8.6874e-07    0.00029547    5.6174e-08
3.0928e-06    1.8788e-09    1.1011e-07    4.1585e-07    0.00029866    1.6464e-07
6.4354e-08    1.1011e-07     0.019179       0.77241       1.5071       0.15687
3.5633       0.42778       0.85492       2.9349        0.33254        8.0278
0.11111         119.96        490.21         780.16         281.25        0.027778
0               0           0                0              0           23.05
474.73         588.42          1.7873             0             0              0
0                 0             0              0             0         6.9016
170.63         231.82          382.96         1.2214             0
     0.002193     0.013799    0.00082901    0.00066395     9.417e-05    0.00067746
0.00049469    0.015731     0.00057466    0.0091889      0.022607      0.0026126
0.16821        1.5397       0.002078    0.00067746    0.00072675     0.0016325
0.0054304       0.008423    0.00056979    0.00068456    3.0739e-05    0.00047905
0.00038083     0.014821     0.00096143     0.040054      0.0015271      0.16472
0.0015602    0.00047905     0.0026359     0.0014039    0.00093892     0.0068409
0.00015009     0.0003275    5.6392e-06    0.00018737    8.1695e-05     0.006738
0.00022731    0.00031044     0.095197     0.00053583    0.00018737    0.00047367
0.0011619    9.0157e-07     0.007888     2.6368e-06    0.00081104    1.2614e-07
2.7079e-06    3.8992e-08    2.4103e-07    7.7482e-07    0.00081306    3.1657e-07
8.0449e-05    0.00045819    9.0879e-05    1.4531e-07    2.4103e-07    4.8762e-07
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0.0032557    4.5288e-06    0.00082418    3.2561e-08    2.7079e-06    5.3425e-09 ↙
6.3502e-08    1.0283e-06    0.00082545    1.0211e-07    7.3585e-05    3.9257e-08 ↙
6.3502e-08    1.1668e-07     0.0002187    1.0873e-06    0.00038816    1.9833e-08 ↙
2.7079e-06    2.2305e-09    3.8164e-08    3.4216e-07    0.00038923    6.4166e-08 ↙
2.3045e-08    3.8164e-08     0.016892        1.2257       1.8349        0.39625 ↙
4.3026       0.37063        0.70863        3.362         0.41587             9 ↙
0.11111         124.48        435.85         917.13         362.51         0.13571 ↙
0              0           0                 0              0          22.123 ↙
382.58         499.24          6.8278              0              0            0 ↙
0                 0              0               0              0         4.0159 ↙
211.05         165.23          457.26              0              0
    0.0023517     0.013753    0.00032768    0.00066498    5.3229e-05    0.00053113 ↙
7.7065e-05    0.013497     0.00056551    0.0026935     0.0036918     0.00070056 ↙
0.19983       0.77197     0.00042816    0.00053113     0.0027286    0.00063875 ↙
0.0034382      0.0015782    0.00030082    0.00036118    2.7513e-05    0.00042992 ↙
0.0003061    0.0051544     0.00047226     0.010092      0.0017766     0.031723 ↙
0.0005212    0.00042992     0.0021327     0.0078084    0.00081441     0.0072116 ↙
0.00014058    0.00044949    1.0755e-05    0.00073342    0.00011838    0.0094144 ↙
0.00017993    0.00061083     0.013977     0.00039744    0.00073342    0.00043708 ↙
0.0029621    8.3217e-07    0.0068704     2.3786e-06    0.00071292    1.8424e-07 ↙
2.7319e-06    4.0254e-08    3.7162e-07    5.9133e-07    0.00073234    6.3529e-07 ↙
8.1777e-05    3.1021e-05      0.013722    2.1825e-07    3.7162e-07    2.7045e-07 ↙
0.00071641    1.5197e-06    0.00033246    6.9458e-08    2.7319e-06    4.6223e-09 ↙
1.5202e-07    2.1542e-07    0.00033304    2.2585e-07     0.0099839    9.0942e-08 ↙
1.5202e-07    2.0044e-07    0.00047569    8.0471e-07    0.00028043    4.8719e-08 ↙
2.7319e-06    3.2963e-10    1.0215e-07     3.705e-07    0.00028232    1.2235e-07 ↙
6.2154e-08    1.0215e-07     0.020542       0.26758      0.47857        0.19139 ↙
1.1897       0.35873        0.11746       1.1708         0.31349             9 ↙
0.027778        0.75159        207.13         160.03         57.435          54.885 ↙
0              0           0                 0              0              0 ↙
0              0          158.06         439.44         250.96            0 ↙
0                 0              0        0.44444        14.828         219.12 ↙
501.63         484.91              0              0              0
    0.0025535     0.014022    0.00051591    0.00035323    0.00010421    0.00046013 ↙
0.00020112    0.018049     0.00030193    0.0049708      0.014519      0.0012061 ↙
0.13446       0.44531     0.00059476    0.00046013     0.0039293    0.00094823 ↙
0.0043885      0.0013562    0.00015084    0.00014204    2.0466e-05    0.00047782 ↙
0.00018095    0.0072096     0.00015606      0.02845     0.00087422      0.01468 ↙
0.00023544    0.00047782    0.00081848      0.023909     0.0026101      0.028839 ↙
0.00021554    0.00048138    1.7872e-05    0.00071435    0.00012396     0.033439 ↙
0.00023861    0.00078888      0.22948     9.5109e-05    0.00071435     0.0012725 ↙
0.00084517    9.0536e-07     0.007175     1.1692e-06    0.00035508    1.0546e-07 ↙
1.3122e-06    2.1462e-08    2.1393e-07    8.8944e-07    0.00036122      4.67e-07 ↙
3.2301e-05    3.4261e-05      0.013594    1.2314e-07    2.1393e-07    4.8499e-07 ↙
0.00034658    4.6346e-07    0.00013762    6.4488e-08    1.3122e-06    1.7286e-09 ↙
1.4748e-07     4.863e-07    0.00013785    2.3679e-07     0.0094956    8.7657e-08 ↙
1.4748e-07    7.7489e-07     0.0014321    1.1804e-06    0.00018494    4.6717e-08 ↙
1.3122e-06    2.9144e-10     1.161e-07      1.21e-06    0.00018714    1.6729e-07 ↙
7.0381e-08     1.161e-07    0.0090551       0.29833      0.67302       0.096473 ↙
```

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1.1697       0.30159         2.4987       1.8202         0.44683        8.0278 ↙
0.11111         1.4944        132.55         237.91         82.066         49.45 ↙
0.69444              0           0                0              0              0 ↙
0              0          72.421         355.29         227.96          0.8 ↙
0                 0         3.2571         12.085         76.009         169.53 ↙
150.68            178         0.11111              0             0
    0.0063037    0.0099544     0.0015629     0.0001815    0.00043941    0.00023619 ↙
0.0011559    0.025964     0.00033386    0.0030063     0.0034261      0.0054129 ↙
0.01892       0.11792      0.0012371    0.00023619     0.0027875     0.0022632 ↙
0.0016165      0.0029967    0.00033486    0.00027013    1.8002e-05    0.00029476 ↙
0.00024018    0.0069726      0.0002293    0.0060124     0.00091587     0.041823 ↙
0.0006929    0.00029476     0.0010566    0.00038077     0.0024809    0.00038669 ↙
0.00015325    0.00062781    1.0311e-05    0.00093857    7.7105e-05    0.0034694 ↙
0.00071203    0.00017583     0.030011     0.00079451    0.00093857     0.0022847 ↙
0.003591    1.2291e-06    0.0070419     7.0953e-07    0.00012768    1.4148e-07 ↙
7.8517e-07    1.1283e-08    2.6255e-07    1.3367e-06    0.00013161    4.4733e-07 ↙
2.4922e-05    3.1987e-06     0.0002523    1.5897e-07    2.6255e-07    2.4695e-07 ↙
0.00045841    9.9851e-07    0.00029231    2.2439e-08    7.8517e-07    2.5097e-09 ↙
4.0644e-08    3.2383e-07    0.00029184    8.5906e-08    0.00027304    2.4866e-08 ↙
4.0644e-08     2.907e-07     0.0013097    2.8661e-06    0.00066608    6.0468e-08 ↙
7.8517e-07    2.4511e-09    1.2155e-07    3.7834e-07     0.0006701    1.5653e-07 ↙
7.1678e-08    1.2155e-07     0.011268       0.45755      0.75873        0.12062 ↙
1.8175       0.32063       0.025078       1.5206         0.30159             9 ↙
3.7802         268.64         258.5         175.78         86.561         216.58 ↙
0.25714              0           0                0              0              0 ↙
0              0          651.58         777.34         96.083            0 ↙
0                 0             0              0             0         59.952 ↙
754.12         245.33          219.87              0             0
    0.0015102     0.011073    0.00054911    0.00035569    0.00016013    0.00041323 ↙
0.00039193    0.012166     0.00021142    0.0099593      0.011713      0.0018511 ↙
0.024202      0.074427     0.00096752    0.00041323      0.001666     0.0024053 ↙
0.0055311      0.0050185    0.00033137      0.000229    2.9351e-05    0.00022537 ↙
0.00019099     0.017175     0.00032201     0.012138     0.00077337      0.03969 ↙
0.00022568    0.00022537     0.0029758    0.00062819     0.0051172     0.0010693 ↙
0.00017999    0.00034834         2e-05    0.00035506    9.2452e-05    0.0061813 ↙
0.00044165    0.00041469     0.029949     0.00034406    0.00035506      0.003199 ↙
0.0046449    1.3559e-06     0.008217     1.3256e-06    0.00052974    1.0639e-07 ↙
1.5401e-06    2.1649e-08     4.184e-07    9.3103e-07    0.00052953    5.7573e-07 ↙
2.3859e-05    3.1948e-05     0.0012684    2.4675e-07     4.184e-07    5.7869e-07 ↙
0.0017891    1.3267e-06    0.00023279    4.0114e-08    1.5401e-06    3.6626e-09 ↙
8.2453e-08    9.4552e-07    0.00023362    1.5826e-07    0.00072228    4.7471e-08 ↙
8.2453e-08    5.0734e-07     0.0015147    1.8553e-06    0.00038377    4.5669e-08 ↙
1.5401e-06    1.7387e-09    9.3557e-08    8.1143e-07    0.00038624    2.2653e-07 ↙
5.3963e-08    9.3557e-08    0.0037854       0.12664      0.30159       0.072575 ↙
1.0025       0.14286       0.067167       1.2795         0.29444        8.9992 ↙
14.886         111.86         61.209         145.97         43.514         44.936 ↙
0.25              0           0                0              0              0 ↙
0         1.3492          43.683         138.64         114.77             1 ↙
0                 0             0              0         1.3611         63.228 ↙
```

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164.98          172.6          80.085              4              1
    0.0010162     0.022206    0.00076232    0.00020809    0.00010009    0.00017885 ↙
0.00017493    0.023148     0.00012625    0.0085523      0.016654     0.00040087 ↙
0.4115        1.0886      0.0001614    0.00017885     0.0013546    0.00012488 ↙
0.0016255       0.014622    0.00046169    0.00037231    3.2447e-05    0.00037179 ↙
0.00029972     0.016076     0.00056034     0.031717      0.0011174     0.085297 ↙
0.0010749    0.00037179    0.00045016      0.003042      0.001278      0.042793 ↙
0.0003539    0.00051759    4.6971e-05    0.00063207    0.00011944     0.039534 ↙
0.00032903    0.00058408      0.21413     0.00022574    0.00063207    0.00090927 ↙
0.0030169    9.5932e-07    0.0075849     6.8659e-07    0.00026873    1.0284e-07 ↙
8.2123e-07     1.294e-08    2.0474e-07    7.9208e-07    0.00027475     2.309e-07 ↙
2.6272e-05    7.3017e-05     0.0046786    1.2088e-07    2.0474e-07    3.2223e-07 ↙
0.0013907    2.0428e-06    0.00038475    4.5418e-08    8.2123e-07    4.9811e-09 ↙
1.1869e-07    5.1227e-07    0.00038414    1.8485e-07     0.0040071    7.1482e-08 ↙
1.1869e-07    5.2098e-07     0.0016127    1.7197e-06    0.00068591    4.4613e-08 ↙
8.2123e-07     1.475e-09    1.2189e-07    1.0393e-06    0.00068591    1.6481e-07 ↙
7.1664e-08    1.2189e-07    0.0060798       0.71097      0.99683       0.41411 ↙
1.5456       0.30714         1.5019       2.1113         0.15873        8.0278 ↙
0.11111        0.54286        129.11          179.84         61.444          1.6214 ↙
0               0           0                 0         2.0214         213.87 ↙
396.75         217.02               0              0              0            0 ↙
0           0.11111              1         3.1897        18.086         287.17 ↙
152.03         105.91          144.54              0              0
    0.0011188     0.021769    0.00081737     0.0002809    0.00011848    0.00054278 ↙
0.00017478    0.022195      0.0002717    0.0060544      0.007728     0.00039766 ↙
0.43161        1.4201     0.00052473    0.00054278     0.0031421    0.00081117 ↙
0.0016798      0.0084839    0.00044545    0.00065064    4.0183e-05    0.00061638 ↙
0.00034475     0.010171     0.00087558       0.0165      0.0015417     0.056355 ↙
0.0017464    0.00061638    0.00078078     0.0016697     0.0026597      0.019542 ↙
0.00036183    0.00052989    4.3396e-05    0.00048307    0.00034054     0.018421 ↙
0.00057446     0.0025114     0.075098     0.00035495    0.00048307     0.0018198 ↙
0.0093318     1.328e-06    0.0075177     1.2244e-06    0.00033522    9.6448e-08 ↙
1.254e-06    2.1178e-08    3.6282e-07    8.1826e-07    0.00033928     4.581e-07 ↙
4.1354e-05    0.00019642      0.003287    2.1518e-07    3.6282e-07    3.4764e-07 ↙
0.0024877    3.8842e-06    0.00071753    5.3792e-08     1.254e-06    7.2121e-09 ↙
1.0837e-07    5.4858e-07    0.00071901    1.6486e-07     0.0025769    6.3446e-08 ↙
1.0837e-07    5.4836e-07     0.0011744    1.5469e-06    0.00052657    8.6725e-08 ↙
1.254e-06    1.5558e-09    1.7545e-07    8.8098e-07    0.00052728    2.1529e-07 ↙
1.0331e-07    1.7545e-07    0.0083589       1.2768       1.5714        0.19979 ↙
2.0525       0.25714        0.33577       1.2265         0.26349             9 ↙
0.027778        0.21587        197.65         314.17         187.14           30.65 ↙
0               0           0                 0        0.11111         175.11 ↙
366.71         346.81               0              0              0            0 ↙
0                 0              0         1.4944        16.571         315.74 ↙
533.4          210.97          392.31       0.027778             0
    0.0036015     0.015979     0.0008433    0.00068637    0.00011297    0.00074022 ↙
0.00025557    0.020693     0.00072211     0.037437      0.018092     0.00059439 ↙
0.22948        1.3043     0.00089118    0.00074022     0.0011389    0.00071162 ↙
0.0032674      0.0041081      0.000447    9.7141e-05    1.5196e-05    0.00011487 ↙
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0.00029094    0.0098525     0.00022692      0.04241     0.00078881      0.11131 ↙
0.00033879    0.00011487     0.0012339    0.00079115     0.0021587     0.0045667 ↙
7.7311e-05     0.0001486    5.5744e-06    0.00016397    4.9964e-05    0.0097082 ↙
0.00010471    0.00022503     0.021377      0.0002208    0.00016397    0.00084563 ↙
0.00065844    1.2905e-06    0.0072842     2.9032e-06    0.00073126    1.1441e-07 ↙
2.83e-06    4.3205e-08    2.2719e-07    1.2485e-06    0.00073122    2.9232e-07 ↙
8.1538e-05    0.00089719    9.8072e-05    1.3364e-07    2.2719e-07    2.5104e-07 ↙
0.00073576     9.097e-07    9.5116e-05    2.1251e-08      2.83e-06    4.5237e-10 ↙
4.3862e-08    4.3789e-07    9.4774e-05    6.2522e-08      0.000114    2.5515e-08 ↙
4.3862e-08    3.4348e-07    0.00028932     3.174e-07    0.00013749    4.1247e-08 ↙
2.83e-06    6.9023e-10    8.2595e-08    5.2855e-07    0.00013873    1.2593e-07 ↙
4.8657e-08    8.2595e-08     0.020461       0.80726      0.86587        0.66135 ↙
4.0172       0.40635        0.11182       5.7251         0.40873        8.0278 ↙
0.11111        0.63492        585.13         307.51         452.92         0.44444 ↙
0              0           0                 0              0              0 ↙
355.31         391.53          13.342              0              0            0 ↙
0                 0              0              0             0         5.3992 ↙
93.702          78.65          81.663         2.5206             0
    0.0046322     0.033136     0.0018332     0.0019079    0.00030137     0.0015194 ↙
0.00090401     0.03326       0.001516     0.021612      0.042383     0.00092908 ↙
0.29329        1.7456      0.0013353     0.0015194     0.0020926     0.0038732 ↙
0.0043401      0.0070901    0.00053428    0.00023796     3.478e-05    0.00030176 ↙
0.00043201      0.01375     0.00051348     0.041482      0.0017676     0.090564 ↙
0.00092499    0.00030176     0.0018194     0.0024805      0.022563      0.012895 ↙
0.00068381     0.0012888    9.6002e-05     0.0011242     0.0003482     0.034377 ↙
0.0016194     0.0008426      0.14503     0.00061648     0.0011242      0.013877 ↙
0.0019275    1.0033e-06     0.026272     7.8034e-06     0.0026498    9.8288e-08 ↙
8.1069e-06    1.3027e-07    1.9067e-07    1.3499e-06     0.0026545    2.2956e-07 ↙
0.00014287     0.0035204    0.00040084    1.1578e-07    1.9067e-07    3.7335e-07 ↙
0.001605     2.325e-06    0.00030331    3.5686e-08    8.1069e-06    1.0135e-09 ↙
6.7801e-08    5.6775e-07    0.00030347    1.8612e-07    0.00093057    4.0227e-08 ↙
6.7801e-08    8.0472e-07     0.0059753    8.2394e-06     0.0017055    5.0671e-08 ↙
8.1069e-06    2.0895e-08    9.8548e-08    1.4871e-06     0.0016995    2.0467e-07 ↙
5.8889e-08    9.8548e-08     0.030643       0.2558      0.48571        0.31703 ↙
2.335       0.31349        0.92941       3.1174         0.31349        16.542 ↙
28.879         7.4825        121.82         784.43         895.51          26.733 ↙
0              0           0                 0              0        0.37143 ↙
276.77         839.56          279.65       0.027778             0            0 ↙
0                 0              0              0        5.0857         13.209 ↙
271.32         364.03          360.76         25.533        11.679
    0.0004462     0.013411    0.00050179    0.00020128    7.0674e-05    0.00025698 ↙
0.0001878    0.013235     0.00014724     0.015302      0.022674      0.0012663 ↙
0.15581        1.2227     0.00026745    0.00025698    0.00079019     0.0021024 ↙
0.0028489      0.0014827    6.9961e-05    8.8267e-05    1.7063e-06    8.7104e-05 ↙
2.9337e-05    0.0038352     8.8172e-05     0.028262     6.2536e-05      0.17821 ↙
0.00011945    8.7104e-05     0.0006462    0.00014765     0.0039059     0.0095138 ↙
0.00023561     0.0014465     6.512e-06     0.0014986    8.9782e-05     0.015815 ↙
0.0014394    0.00015917      0.21054      0.0011019     0.0014986     0.0034546 ↙
0.0024643    9.9404e-07    0.0048021     5.3102e-07    0.00018863    1.1445e-07 ↙
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6.4753e-07     9.168e-09    2.2536e-07    6.9499e-07    0.00019341    2.7183e-07 ↙
9.4696e-06     5.204e-05    0.00010077      1.33e-07    2.2536e-07    1.3741e-07 ↙
0.00019385    2.8467e-07    7.1788e-05    1.0128e-08    6.4753e-07    3.3265e-10 ↙
1.9706e-08    2.3863e-07    7.2309e-05    5.7147e-08    5.7198e-05    1.1554e-08 ↙
1.9706e-08    3.2431e-07     0.0012739    4.5066e-06     0.0011723    2.2207e-08 ↙
6.4753e-07    7.6339e-09    4.5761e-08    5.2106e-07     0.0011702    7.4627e-08 ↙
2.7146e-08    4.5761e-08      0.00285      0.089962      0.31111        0.34376 ↙
3.0707       0.42143          1.315       2.8263         0.32063              9 ↙
0.11111         10.263         73.797         327.12          180.6              0 ↙
0              0           0                0              0           0.25 ↙
109.55         109.51          1.3778             0             0           0 ↙
0                 0              0              0             0         4.3516 ↙
270.81         1634.9          2308.4             0             0
    0.0006727     0.012854    0.00050104    0.00016217    7.0284e-05    0.00023916 ↙
0.00021111    0.013728     0.00013307     0.030831      0.023122      0.0015179 ↙
0.1506        1.2209     0.00033381    0.00023916    0.00064045      0.002002 ↙
0.0022089     0.00083014    6.4922e-05    0.00010891    1.2591e-06     0.0002146 ↙
2.8777e-05    0.0035745     8.5633e-05     0.021114     5.1216e-05      0.18408 ↙
0.00015029     0.0002146    0.00057988    0.00026419     0.0059131      0.012423 ↙
0.00024414     0.0021391    7.3876e-06     0.0017426     0.0001035     0.014981 ↙
0.0020977    0.00024178      0.19424      0.0016123     0.0017426     0.0049578 ↙
0.0039016    9.7064e-07    0.0045944     6.3199e-07    0.00019741    1.0485e-07 ↙
6.9485e-07    9.8826e-09    2.0914e-07    8.4053e-07    0.00019977    2.5522e-07 ↙
1.0739e-05    5.6146e-05    0.00013533    1.2362e-07    2.0914e-07     8.372e-08 ↙
7.1881e-05    3.1061e-07    0.00011222    1.4626e-08    6.9485e-07    3.2418e-10 ↙
2.9495e-08    1.3751e-07      0.000112    6.3854e-08    4.7466e-05      1.66e-08 ↙
2.9495e-08    3.0256e-07     0.0022582    9.0319e-06     0.0023627    2.3018e-08 ↙
6.9485e-07    1.5439e-08    4.5878e-08    7.4806e-07      0.002363    5.9311e-08 ↙
2.7098e-08    4.5878e-08     0.002651       0.17606      0.37143        0.35507 ↙
10.95       0.98016          1.1188       2.9517         0.2373         8.0278 ↙
0.11111         8.9206         96.713         335.83         193.83              0 ↙
0              0           0                0              0              0 ↙
115.17         114.68          0.69444            0             0           0 ↙
0                 0              0              0             0          6.123 ↙
484.86         1159.5          2623.4          1.2087           0
    0.0014066     0.017605     0.0005675    0.00057171    0.00015622    0.00023634 ↙
0.00030402    0.020866     0.00043578     0.012759       0.01067      0.0021955 ↙
0.098602       0.20101      0.0013149    0.00023634     0.0047383     0.0011616 ↙
0.0057387      0.0030525    0.00017086    0.00021225    1.2631e-05    0.00023857 ↙
0.00010693     0.010454     0.00023067     0.033579      0.0004354     0.046221 ↙
0.00048204    0.00023857     0.0020153    0.00066969     0.0033345      0.019924 ↙
0.00021721    0.00020155    1.6804e-05    0.00042025    0.00013877     0.026906 ↙
0.00021955    0.00071311     0.088915     0.00024156    0.00042025      0.001017 ↙
0.00070999    1.1633e-06     0.013493     2.0712e-06    0.00068751    2.0411e-07 ↙
2.3538e-06    4.2297e-08    4.3761e-07    9.1269e-07    0.00069743    6.3371e-07 ↙
6.5141e-05    0.00017854      0.010482    2.6503e-07    4.3761e-07    3.2856e-07 ↙
0.00075458     8.045e-07    0.00021602    3.3305e-08    2.3538e-06    1.0156e-09 ↙
6.7702e-08    5.5527e-07    0.00021676    2.3611e-07     0.0085409    3.8009e-08 ↙
6.7702e-08    4.5744e-07    0.00090014    1.1098e-06    0.00018833    4.6511e-08 ↙
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2.3538e-06     2.665e-10    9.2457e-08    7.6494e-07    0.00019072    1.1808e-07 ↙
5.6012e-08    9.2457e-08     0.014189       0.19186      0.36429        0.05655 ↙
6.3448       0.90397        0.98788       1.4722         0.30714             9 ↙
0.13571         19.625        246.38         468.54          90.237          28.286 ↙
30.218               0           0                 0             0           12.8 ↙
152.71         198.54          10.593             0             0             0 ↙
0                 0        0.27302         3.2087        24.743         119.28 ↙
204.92         205.25          1.4063             0             0
    0.0014066     0.017605     0.0005675    0.00057171    0.00015622    0.00023634 ↙
0.00030402    0.020866     0.00043578     0.012759       0.01067      0.0021955 ↙
0.098602       0.20101      0.0013149    0.00023634     0.0047383     0.0011616 ↙
0.0057387      0.0030525    0.00017086    0.00021225    1.2631e-05    0.00023857 ↙
0.00010693     0.010454     0.00023067     0.033579      0.0004354     0.046221 ↙
0.00048204    0.00023857     0.0020153    0.00066969     0.0033345      0.019924 ↙
0.00021721    0.00020155    1.6804e-05    0.00042025    0.00013877     0.026906 ↙
0.00021955    0.00071311     0.088915     0.00024156    0.00042025      0.001017 ↙
0.00070999    1.1633e-06     0.013493    2.0712e-06     0.00068751    2.0411e-07 ↙
2.3538e-06    4.2297e-08    4.3761e-07    9.1269e-07    0.00069743    6.3371e-07 ↙
6.5141e-05    0.00017854      0.010482    2.6503e-07    4.3761e-07    3.2856e-07 ↙
0.00075458     8.045e-07    0.00021602    3.3305e-08    2.3538e-06    1.0156e-09 ↙
6.7702e-08    5.5527e-07    0.00021676    2.3611e-07     0.0085409    3.8009e-08 ↙
6.7702e-08    4.5744e-07    0.00090014    1.1098e-06    0.00018833    4.6511e-08 ↙
2.3538e-06     2.665e-10    9.2457e-08    7.6494e-07    0.00019072    1.1808e-07 ↙
5.6012e-08    9.2457e-08     0.014189       0.19186      0.36429        0.05655 ↙
6.3448       0.90397        0.98788       1.4722         0.30714             9 ↙
0.13571         19.625        246.38         468.54          90.237          28.286 ↙
30.218               0           0                 0             0           12.8 ↙
152.71         198.54          10.593             0             0             0 ↙
0                 0        0.27302         3.2087        24.743         119.28 ↙
204.92         205.25          1.4063             0             0
    0.0021496     0.015073     0.0010101    0.00098325      0.000313     0.0011062 ↙
0.0008137    0.021695     0.00060798    0.0054695     0.0081397      0.0052066 ↙
0.025382       0.09531      0.0029551     0.0011062     0.0030442     0.0052324 ↙
0.0024381      0.0039658    0.00016683    0.00039238    7.0975e-06    0.00052441 ↙
0.00014961    0.0064188     0.00043284     0.023474     0.00099631     0.053249 ↙
0.00080124    0.00052441     0.0011606     0.0015632     0.0050258      0.022134 ↙
0.00045465     0.0034224    3.9024e-05      0.004047     0.0002729     0.026059 ↙
0.00054474     0.0010855     0.096285      0.0029029      0.004047      0.004914 ↙
0.0095524    1.3495e-06     0.020303     2.2702e-06    0.00098884    2.2623e-07 ↙
2.618e-06    4.6524e-08    4.8344e-07    1.0917e-06    0.00099957    9.4847e-07 ↙
6.7954e-05    0.00019771      0.033392    2.8848e-07    4.8344e-07    2.7842e-07 ↙
0.00074619    1.5168e-06    0.00037423    3.0491e-08     2.618e-06    1.5469e-09 ↙
5.7501e-08    3.4287e-07    0.00037541    1.3895e-07      0.024474    3.4824e-08 ↙
5.7501e-08    5.9729e-07     0.0017911    2.1969e-06    0.00020383     6.703e-08 ↙
2.618e-06    6.7377e-10    1.3109e-07    1.0436e-06    0.00020394     1.724e-07 ↙
7.8116e-08    1.3109e-07     0.018601       0.25546      0.59286        0.21392 ↙
2.4668       0.35159        0.58907       1.6948         0.2373         8.0278 ↙
0.25         85.883         194.75         371.51         98.292          65.037 ↙
39.913               0           0                 0             0         0.69444 ↙
```

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574.16         561.97          3.6571              0              0            0 ↙
0                 0         1.4063         6.8659        607.27         440.66 ↙
638.74         1497.6              0              0              0
    0.0016389      0.01238     0.0006796    0.00058787    0.00021219    0.00060482 ↙
0.0004935    0.017269     0.00043914    0.0033356     0.0051389      0.0029189 ↙
0.035685        0.1248        0.00168    0.00060482     0.0021124     0.0026314 ↙
0.0020507     0.00098617    5.9322e-05    0.00013934    2.8221e-06    0.00037874 ↙
5.6171e-05    0.0033014     0.00012892     0.023584     0.00045399     0.035543 ↙
0.00028099    0.00037874    0.00073005     0.0017286     0.0011711      0.015501 ↙
0.00014319    0.00063606    1.0924e-05    0.00089858    7.2041e-05     0.015837 ↙
0.0001937    0.00039119     0.084289     0.00069875    0.00089858    0.00075477 ↙
0.0042873    1.7914e-06     0.014706     1.9106e-06    0.00068955    2.1087e-07 ↙
2.1874e-06    3.9425e-08    5.1515e-07    1.1462e-06    0.00070027     9.539e-07 ↙
5.5202e-05    0.00012724      0.017272    3.0878e-07    5.1515e-07    2.0503e-07 ↙
0.00024522    5.6959e-07    0.00015318    2.7499e-08    2.1874e-06    7.1503e-10 ↙
6.2813e-08    2.5422e-07    0.00015414    1.6862e-07     0.0098881    3.6578e-08 ↙
6.2813e-08    6.9794e-07    0.00090165    9.6318e-07    0.00014572    6.6938e-08 ↙
2.1874e-06    2.2123e-10    1.4095e-07    8.3596e-07    0.00014787    1.6977e-07 ↙
8.2303e-08    1.4095e-07     0.012371        0.3075      0.64444       0.075106 ↙
1.4342       0.34286        0.45535       1.1261          0.2754             9 ↙
0.11111         31.216        140.88         235.46          55.78          25.856 ↙
34.971              0           0                0             0              0 ↙
191         189.05          1.6214              0             0           0 ↙
0                 0              0         8.0921         188.9         78.199 ↙
167.42         64.114              0              0              0
    0.0052985      0.01688    0.00092269     0.0010187    0.00017836     0.0010262 ↙
0.00039912    0.024048      0.0010583     0.011499     0.0038769      0.0015246 ↙
0.12037       0.48918      0.0010667     0.0010262     0.0034792     0.0029511 ↙
0.0019243      0.0069144    0.00069617    0.00020924    5.6185e-05    0.00046243 ↙
0.00054705     0.013758      0.0004988     0.061713      0.0021792     0.020292 ↙
0.0010325    0.00046243     0.0015415     0.0025042     0.0061748      0.019815 ↙
0.00052864    0.00064445    4.3041e-05    0.00037609    0.00034157     0.034888 ↙
0.00063269     0.0014873      0.09513     0.00018986    0.00037609     0.0040988 ↙
0.0049235    1.0923e-06     0.011059     3.5408e-06    0.00090375    1.3643e-07 ↙
3.5407e-06    6.6755e-08    2.5404e-07    1.0909e-06    0.00090556    3.6507e-07 ↙
0.00012718    0.00043359      0.015583    1.5478e-07    2.5404e-07    3.6673e-07 ↙
0.0018436    1.4959e-06    0.00018023     3.915e-08    3.5407e-06    1.6221e-09 ↙
8.1891e-08    7.2732e-07    0.00017976    1.7535e-07      0.019372    4.7607e-08 ↙
8.1891e-08    3.8335e-07       0.00135    2.2966e-06    0.00021571    3.8131e-08 ↙
3.5407e-06    6.1062e-10    7.8922e-08    6.3785e-07    0.00021673    8.2447e-08 ↙
4.7058e-08    7.8922e-08     0.038493       0.57316      0.91429       0.055414 ↙
3.0561       0.44683        0.76212       5.6344         0.63492             9 ↙
0.11111        0.69206        51.543         621.57         215.84          57.437 ↙
41.094              0           0                0             0          12.044 ↙
295.14         495.34          26.866              0             0           0 ↙
0                 0              0         10.483         32.543         90.593 ↙
1095.2         1276.6         0.44444              0             0
    0.0067706      0.019081     0.0010405    0.00086758    0.00021052    0.00095362 ↙
0.00054464      0.0289       0.0009101     0.014885     0.0058848      0.0023503 ↙
```

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0.11421       0.45929      0.0009772    0.00095362     0.0034277     0.0026612 ↙
0.0015952       0.014646     0.0008058    0.00073227    8.0347e-05     0.0011971 ↙
0.00048139     0.022363      0.0011454     0.046308      0.0015135     0.023585 ↙
0.0015961     0.0011971     0.0014394     0.0043968      0.003125       0.03168 ↙
0.00038641    0.00039681     3.576e-05    0.00040935     0.0002066      0.04446 ↙
0.00039584     0.0010388      0.12127     0.00014637    0.00040935      0.001985 ↙
0.0063969    1.1476e-06     0.013437     4.5495e-06     0.0010962    1.3685e-07 ↙
4.5726e-06    8.8002e-08    2.5222e-07    1.5859e-06     0.0011038    3.3375e-07 ↙
0.00014479    0.00066297       0.01218    1.5862e-07    2.5222e-07    9.4404e-07 ↙
0.0054577    4.8764e-06    0.00079633    5.6555e-08    4.5726e-06    5.8499e-09 ↙
1.0769e-07    1.7754e-06    0.00079668    2.4166e-07      0.015671    6.3699e-08 ↙
1.0769e-07    5.1384e-07     0.0014947    1.7099e-06    9.8677e-05    5.9298e-08 ↙
4.5726e-06    4.6096e-10    1.3998e-07    8.2067e-07    9.8723e-05    1.5937e-07 ↙
8.4323e-08    1.3998e-07     0.031311       0.40145      0.59921        0.11226 ↙
4.7972       0.52302         1.4105       4.3481         0.34921        8.0278 ↙
0.27302         2.9778         69.78         419.14         232.37          68.294 ↙
70.409             0           0                0             1          36.593 ↙
367.91         535.79          63.399             0             0            0 ↙
0                 0         1.6825             7.2        31.635         101.85 ↙
537.68         574.33         0.48571             0            0
    0.0016839     0.010916     0.0012239     0.0018036    0.00041767      0.001556 ↙
0.00097036    0.013077      0.0011507    0.0043335       0.01897      0.0051574 ↙
0.0088321      0.037008      0.0051157      0.001556     0.0010673     0.0037847 ↙
0.0041471       0.015454     0.0016597    0.00090519    0.00032364    0.00091595 ↙
0.001351     0.025399      0.0017182     0.012004      0.0068226     0.022035 ↙
0.0034922    0.00091595     0.0034568     0.0068758       0.00163      0.026635 ↙
0.00050088      0.000495    3.4426e-05    0.00029383    0.00021898     0.029405 ↙
0.00030183    0.00065955      0.31679     0.00095146    0.00029383     0.0011756 ↙
0.0017538    2.0166e-06     0.016921     3.2408e-06     0.0012072    2.0476e-07 ↙
3.5289e-06      5.79e-08    5.5773e-07    1.3171e-06     0.0012091    1.6285e-06 ↙
0.00015694      0.010908    0.00030384     3.223e-07    5.5773e-07     9.059e-07 ↙
0.0047118    4.4851e-06    0.00062845    1.1504e-07    3.5289e-06     4.279e-09 ↙
2.4663e-07    1.3247e-06     0.0006315    3.6287e-07     0.0082289    1.4699e-07 ↙
2.4663e-07    7.6383e-07    0.00098508    1.5093e-06    0.00062842    8.1667e-08 ↙
3.5289e-06    4.2826e-09    2.1762e-07    1.2214e-06    0.00063248    4.6716e-07 ↙
1.2457e-07    2.1762e-07     0.052779       0.14592      0.75159        0.033757 ↙
2.5367       0.70714         2.7364       2.3277         0.42143              9 ↙
14.485         494.89        114.46         141.28           85.99          100.43 ↙
1.8373             0           0                0        0.11111          46.879 ↙
253.89         1079.7          443.95         4.0921             0            0 ↙
0                 0               0             0        3.6349         22.504 ↙
200.08         349.21          504.99         46.273             0
    0.0042445     0.052644     0.0017904     0.0026536     0.0003018     0.0025233 ↙
0.00085605    0.068958      0.0020158     0.022861      0.022846      0.0026824 ↙
0.17768        2.4549       0.0048054     0.0025233     0.0008931     0.0018962 ↙
0.015239      0.0074411     0.0015276    0.00051586    0.00095134    0.00088461 ↙
0.0013132     0.027916      0.0017038      0.01822      0.0088065    0.0085581 ↙
0.0043939    0.00088461     0.0052375     0.0057998     0.0016306       0.05145 ↙
0.00071905      0.000356     6.126e-05    0.00037841    0.00030019     0.055367 ↙
```

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0.00017667    0.00093016      0.57844     0.00045574    0.00037841     0.0014187 ↙
0.010605    2.1493e-06     0.069036     8.9095e-06     0.0030102    2.2366e-07 ↙
9.9766e-06    2.2389e-07    4.6252e-07    2.0258e-06      0.003041    9.2065e-07 ↙
0.00038233     0.0019417    0.00060597    2.6483e-07    4.6252e-07    3.7275e-06 ↙
0.015608    7.4435e-06    0.00088149    1.9929e-07    9.9766e-06    2.6481e-08 ↙
4.0472e-07    5.2898e-06    0.00088937    7.8522e-07     0.0032802    2.3602e-07 ↙
4.0472e-07    1.2179e-06     0.0025957    6.4333e-07    0.00040454    4.9939e-08 ↙
9.9766e-06    1.4455e-09    9.7794e-08    2.5733e-06    0.00040573    1.5308e-07 ↙
5.9068e-08    9.7794e-08     0.087604        6.6981       6.7706       0.020949 ↙
3.299       0.82857          3.4769       2.1043          0.52302        8.9992 ↙
0.68571         8.3206         121.37          417.38          364.99           625.68 ↙
6.9302       0.027778              0          0.56111         149.91         83.209 ↙
39.4           131.8          127.02          71.086         0.57778              0 ↙
0                  0               0         0.69444          11.254          16.654 ↙
263.93          380.79           39.78          58.302               0
```
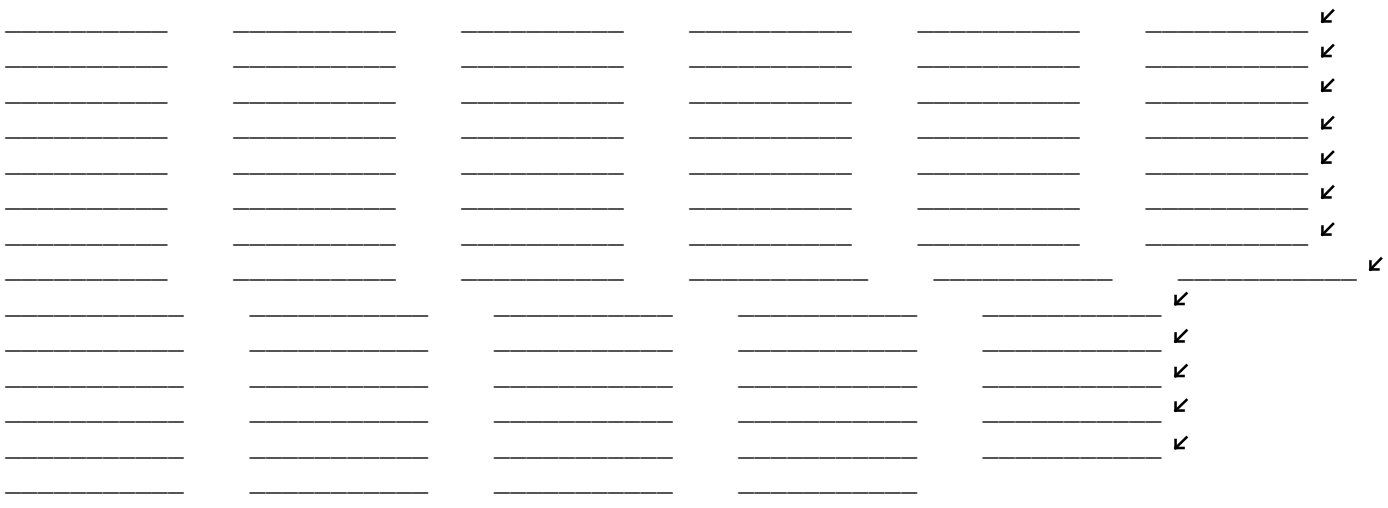

Standard Deviation Statistics:

```
    Feature_1    Feature_2    Feature_3    Feature_4    Feature_5    Feature_6 ↙
Feature_7    Feature_8    Feature_9    Feature_10    Feature_11    Feature_12 ↙
Feature_13    Feature_14    Feature_15    Feature_16    Feature_17    Feature_18 ↙
Feature_19    Feature_20    Feature_21    Feature_22    Feature_23    Feature_24 ↙
Feature_25    Feature_26    Feature_27    Feature_28    Feature_29    Feature_30 ↙
Feature_31    Feature_32    Feature_33    Feature_34    Feature_35    Feature_36 ↙
Feature_37    Feature_38    Feature_39    Feature_40    Feature_41    Feature_42 ↙
Feature_43    Feature_44    Feature_45    Feature_46    Feature_47    Feature_48 ↙
Feature_49    Feature_50    Feature_51    Feature_52    Feature_53    Feature_54 ↙
Feature_55    Feature_56    Feature_57    Feature_58    Feature_59    Feature_60 ↙
Feature_61    Feature_62    Feature_63    Feature_64    Feature_65    Feature_66 ↙
Feature_67    Feature_68    Feature_69    Feature_70    Feature_71    Feature_72 ↙
Feature_73    Feature_74    Feature_75    Feature_76    Feature_77    Feature_78 ↙
Feature_79    Feature_80    Feature_81    Feature_82    Feature_83    Feature_84 ↙
Feature_85    Feature_86    Feature_87    Feature_88    Feature_89    Feature_90 ↙
Feature_91    Feature_92    Feature_93    Feature_94    Feature_95    Feature_96 ↙
Feature_97    Feature_98    Feature_99    Feature_100    Feature_101    Feature_102 ↙
Feature_103    Feature_104    Feature_105    Feature_106    Feature_107 ↙
Feature_108    Feature_109    Feature_110    Feature_111    Feature_112 ↙
Feature_113    Feature_114    Feature_115    Feature_116    Feature_117 ↙
Feature_118    Feature_119    Feature_120    Feature_121    Feature_122 ↙
Feature_123    Feature_124    Feature_125    Feature_126    Feature_127 ↙
Feature_128    Feature_129    Feature_130    Feature_131
    _________    _________    _________    _________    _________    _________ ↙
_________    _________    _________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
__________    __________    __________    __________    __________    __________ ↙
```



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    0.048198      0.11721     0.031631     0.028457      0.010891     0.02568
0.025555     0.13585     0.024777        0.1201       0.17247      0.052038
0.26423      0.68557       0.046166       0.02568      0.026064      0.034878
0.050807       0.09488       0.02285      0.028112     0.0052175      0.024942
0.019077       0.10916      0.032925      0.17811       0.037215      0.32267
0.041316      0.024942      0.036184      0.034211      0.039653      0.090219
0.014375      0.017672     0.0028938      0.013313      0.010731      0.096185
0.014963      0.021606      0.35342      0.021451      0.013313      0.027364
0.034112      0.0010825      0.10484      0.0016967     0.031186     0.00030356
0.0017586    0.00020947    0.00054596    0.00096212     0.031237      0.0006845
0.0093291      0.017711     0.0079751     0.00041747    0.00054596    0.00074865
0.048311      0.0016716     0.021266     0.00023671     0.0017586    5.8505e-05
0.00038554     0.0009264     0.021223     0.00050247     0.0077077     0.00029292
0.00038554    0.00062883     0.019986     0.00093206     0.017189     0.00023701
0.0017586    4.3346e-05    0.00033183    0.00064486     0.017282     0.00040575
0.00025368    0.00033183      0.13849      0.87887        1.2277       0.39607
1.8877       0.65405       0.92462        1.7132         0.57666        2.8333
0.33333         10.953        22.141         27.931          16.77         0.16667
0              0           0                0              0          4.801
21.788         24.257          1.3369             0             0             0
0                0             0              0             0         2.6271
13.062         15.226          19.569         1.1052            0
     0.04683      0.11747     0.028793     0.025767     0.0097041    0.026028
0.022242     0.12542     0.023972      0.095859       0.15036      0.051113
0.41014       1.2409       0.045586      0.026028      0.026958      0.040404
0.073691      0.091777       0.02387      0.026164     0.0055443      0.021887
0.019515       0.12174      0.031007      0.20014       0.039078      0.40586
0.0395      0.021887      0.051341      0.037469      0.030642       0.08271
0.012251      0.018097     0.0023747      0.013688     0.0090385      0.082085
0.015077      0.017619      0.30854       0.023148      0.013688      0.021764
0.034087     0.00094951     0.088815      0.0016238     0.028479     0.00035516
0.0016456    0.00019746    0.00049095    0.00088024     0.028514     0.00056265
0.0089693      0.021405      0.009533     0.00038119    0.00049095     0.0006983
0.057059      0.0021281     0.028709     0.00018045     0.0016456    7.3092e-05
```

```
0.000252      0.001014     0.028731     0.00031955    0.0085782     0.00019813 ↙
0.000252    0.00034158     0.014789      0.0010428     0.019702     0.00014083 ↙
0.0016456    4.7228e-05    0.00019536    0.00058494     0.019729     0.00025331 ↙
0.00015181    0.00019536      0.12997       1.1071        1.3546       0.62949 ↙
2.0743        0.6088         0.8418        1.8336         0.64488            3 ↙
0.33333         11.157        20.877          30.284          19.04         0.36839 ↙
0              0           0                 0              0         4.7035 ↙
19.56         22.344           2.613              0              0              0 ↙
0                 0              0              0             0          2.004 ↙
14.528         12.854          21.384             0             0
    0.048494      0.11727     0.018102     0.025787     0.0072958    0.023046 ↙
0.0087787     0.11618      0.02378      0.051899       0.06076      0.026468 ↙
0.44703      0.87862       0.020692      0.023046      0.052236      0.025273 ↙
0.058636      0.039727      0.017344      0.019005     0.0052453      0.020735 ↙
0.017496      0.071794      0.021732      0.10046       0.042149      0.17811 ↙
0.02283      0.020735      0.046181      0.088365      0.028538      0.084921 ↙
0.011856      0.021201     0.0032795      0.027082       0.01088      0.097028 ↙
0.013414      0.024715      0.11823       0.019936      0.027082      0.020907 ↙
0.054425     0.00091223     0.082888      0.0015423     0.026701     0.00042923 ↙
0.0016528    0.00020063    0.00060961    0.00076898     0.027062     0.00079705 ↙
0.009043     0.0055697       0.11714     0.00046717    0.00060961    0.00052005 ↙
0.026766      0.0012328     0.018234      0.00026355     0.0016528    6.7987e-05 ↙
0.0003899    0.00046413     0.018249      0.00047524      0.09992     0.00030157 ↙
0.0003899    0.00044771      0.02181      0.00089706     0.016746     0.00022072 ↙
0.0016528    1.8156e-05    0.00031961    0.00060868     0.016802     0.00034978 ↙
0.00024931    0.00031961      0.14332       0.51728       0.69179       0.43748 ↙
1.0907       0.59894       0.34272         1.082          0.5599            3 ↙
0.16667        0.86694         14.392          12.65          7.5786          7.4084 ↙
0              0           0                 0              0              0 ↙
0              0          12.572         20.963         15.842              0 ↙
0                 0              0        0.66667        3.8507         14.803 ↙
22.397         22.021               0             0             0
    0.050532      0.11841     0.022714     0.018794      0.010209    0.021451 ↙
0.014182     0.13435     0.017376      0.070504        0.1205      0.034729 ↙
0.36669      0.66731       0.024388      0.021451      0.062684      0.030793 ↙
0.066246      0.036827      0.012282      0.011918      0.004524      0.021859 ↙
0.013452      0.084909      0.012492      0.16867       0.029567      0.12116 ↙
0.015344      0.021859      0.028609       0.15463      0.051089       0.16982 ↙
0.014681       0.02194     0.0042275      0.026727      0.011134       0.18286 ↙
0.015447      0.028087      0.47904      0.0097524      0.026727      0.035673 ↙
0.029072      0.0009515     0.084706      0.0010813     0.018844     0.00032474 ↙
0.0011455     0.0001465    0.00046253     0.0009431     0.019006     0.00068338 ↙
0.0056834     0.0058533        0.1166     0.00035091    0.00046253    0.00069641 ↙
0.018617     0.00068078     0.011731     0.00025394     0.0011455    4.1576e-05 ↙
0.00038403    0.00069736     0.011741     0.00048661     0.097446     0.00029607 ↙
0.00038403    0.00088028     0.037843      0.0010864     0.013599     0.00021614 ↙
0.0011455    1.7071e-05    0.00034074       0.0011      0.01368     0.00040902 ↙
0.00026529    0.00034074     0.095158      0.54619       0.82038        0.3106 ↙
1.0815       0.54917        1.5807        1.3491        0.66845        2.8333 ↙
```

```
0.33333         1.2225         11.513         15.424          9.059          7.0321 ↙
0.83333              0              0                0              0               0 ↙
0              0           8.5101         18.849         15.098         0.89443 ↙
0                 0          1.8048          3.4763         8.7183           13.02 ↙
12.275         13.342         0.33333              0              0
    0.079396     0.099772     0.039533     0.013472      0.020962     0.015368 ↙
0.033999     0.16113     0.018272       0.05483      0.058533      0.073573 ↙
0.13755      0.34339       0.035173      0.015368      0.052796      0.047573 ↙
0.040206      0.054742      0.018299      0.016436     0.0042429      0.017169 ↙
0.015498      0.083502      0.015143       0.07754      0.030263       0.20451 ↙
0.026323      0.017169      0.032506      0.019513      0.049809      0.019664 ↙
0.012379      0.025056     0.0032111      0.030636     0.0087809      0.058902 ↙
0.026684       0.01326      0.17324       0.028187      0.030636      0.047798 ↙
0.059925      0.0011086     0.083916     0.00084234        0.0113     0.00037613 ↙
0.0008861    0.00010622    0.00051239     0.0011561     0.011472     0.00066883 ↙
0.0049922     0.0017885      0.015884     0.00039871    0.00051239    0.00049694 ↙
0.02141     0.00099926     0.017097      0.0001498     0.0008861    5.0096e-05 ↙
0.0002016    0.00056906     0.017083      0.0002931     0.016524     0.00015769 ↙
0.0002016    0.00053916     0.036189       0.001693     0.025809      0.0002459 ↙
0.0008861    4.9509e-05    0.00034864    0.00061509     0.025886     0.00039564 ↙
0.00026773    0.00034864      0.10615      0.67643       0.87105         0.3473 ↙
1.3482       0.56625       0.15836        1.2331         0.54917              3 ↙
1.9443          16.39        16.078         13.258         9.3038          14.717 ↙
0.50709              0              0                0              0               0 ↙
0              0           25.526         27.881         9.8022               0 ↙
0                 0                0              0              0          7.7428 ↙
27.461         15.663          14.828              0              0
    0.038861      0.10523     0.023433      0.01886      0.012654     0.020328 ↙
0.019797      0.1103      0.01454      0.099796       0.10823      0.043024 ↙
0.15557      0.27281       0.031105      0.020328      0.040816      0.049044 ↙
0.074371      0.070841      0.018204      0.015133     0.0054177      0.015012 ↙
0.01382       0.13105      0.017945      0.11017       0.02781      0.19922 ↙
0.015023      0.015012      0.054551      0.025064      0.071534        0.0327 ↙
0.013416      0.018664     0.0044722      0.018843     0.0096152      0.078621 ↙
0.021016      0.020364      0.17306       0.018549      0.018843       0.05656 ↙
0.068153      0.0011644     0.090647     0.0011513     0.023016     0.00032617 ↙
0.001241    0.00014714    0.00064684     0.0009649     0.023011     0.00075877 ↙
0.0048845     0.0056523      0.035615     0.00049674    0.00064684    0.00076072 ↙
0.042298      0.0011518     0.015257     0.00020028      0.001241     6.052e-05 ↙
0.00028715    0.00097238     0.015285     0.00039782     0.026875     0.00021788 ↙
0.00028715    0.00071227     0.038919      0.0013621      0.01959      0.0002137 ↙
0.001241    4.1698e-05    0.00030587    0.00090079     0.019653     0.00047595 ↙
0.0002323    0.00030587     0.061526      0.35586       0.54917        0.2694 ↙
1.0012       0.37796       0.25917        1.1312         0.54263        2.9999 ↙
3.8582         10.576         7.8236         12.082         6.5965          6.7034 ↙
0.5              0              0                0              0               0 ↙
0         1.1616          6.6093         11.775         10.713               1 ↙
0                 0                0              0         1.1667          7.9516 ↙
12.844         13.138           8.949              2              1
```

```
    0.031878      0.14902      0.02761     0.014425      0.010004    0.013373 ↙
0.013226     0.15214     0.011236      0.092479       0.12905      0.020022 ↙
0.64148       1.0433       0.012704      0.013373      0.036805      0.011175 ↙
0.040317       0.12092      0.021487      0.019295     0.0056962      0.019282 ↙
0.017312       0.12679      0.023672       0.17809      0.033427       0.29206 ↙
0.032785      0.019282      0.021217      0.055155      0.035749       0.20687 ↙
0.018812      0.022751     0.0068536      0.025141      0.010929       0.19883 ↙
0.018139      0.024168       0.46274      0.015025      0.025141      0.030154 ↙
0.054926     0.00097945     0.087091     0.00082861     0.016393     0.00032069 ↙
0.00090622    0.00011375    0.00045248    0.00088999     0.016575     0.00048052 ↙
0.0051256      0.008545      0.068401     0.00034768    0.00045248    0.00056765 ↙
0.037292      0.0014293     0.019615     0.00021312    0.00090622    7.0577e-05 ↙
0.00034451    0.00071573       0.0196     0.00042994     0.063301     0.00026736 ↙
0.00034451    0.00072179     0.040158      0.0013114      0.02619     0.00021122 ↙
0.00090622    3.8406e-05    0.00034913     0.0010195      0.02619     0.00040597 ↙
0.0002677    0.00034913     0.077973      0.84319       0.99841       0.64351 ↙
1.2432        0.5542        1.2255         1.453         0.39841        2.8333 ↙
0.33333        0.73679        11.363          13.41         7.8387          1.2734 ↙
0              0           0                 0         1.4218         14.624 ↙
19.919         14.731              0             0             0             0 ↙
0          0.33333             1          1.786        4.2527         16.946 ↙
12.33         10.291          12.023             0             0
    0.033448      0.14754      0.02859      0.01676      0.010885    0.023298 ↙
0.01322     0.14898     0.016483       0.07781      0.087909      0.019941 ↙
0.65697       1.1917       0.022907      0.023298      0.056054      0.028481 ↙
0.040985      0.092108      0.021106      0.025508      0.006339      0.024827 ↙
0.018567       0.10085       0.02959      0.12845       0.039265      0.23739 ↙
0.04179      0.024827      0.027942      0.040862      0.051572       0.13979 ↙
0.019022      0.023019     0.0065876      0.021979      0.018454       0.13572 ↙
0.023968      0.050114      0.27404        0.01884      0.021979       0.04266 ↙
0.096601      0.0011524     0.086705      0.0011065     0.018309     0.00031056 ↙
0.0011198    0.00014553    0.00060234    0.00090458     0.018419     0.00067683 ↙
0.0064307      0.014015      0.057333     0.00046388    0.00060234    0.00058961 ↙
0.049877      0.0019708     0.026787     0.00023193     0.0011198    8.4924e-05 ↙
0.0003292    0.00074066     0.026814     0.00040603     0.050763     0.00025188 ↙
0.0003292    0.00074051     0.034269      0.0012438      0.022947     0.00029449 ↙
0.0011198    3.9444e-05    0.00041887     0.0009386     0.022963     0.00046399 ↙
0.00032141    0.00041887     0.091427         1.13        1.2536       0.44698 ↙
1.4327       0.50709       0.57945        1.1075         0.51331             3 ↙
0.16667        0.46462        14.059         17.725          13.68          5.5362 ↙
0              0           0                 0        0.33333         13.233 ↙
19.15         18.623              0             0             0             0 ↙
0                 0              0         1.2225        4.0708         17.769 ↙
23.095         14.525          19.807        0.16667             0
    0.060012      0.12641      0.02904     0.026199      0.010629    0.027207 ↙
0.015986     0.14385     0.026872       0.19349       0.13451       0.02438 ↙
0.47904       1.142        0.029853      0.027207      0.033747      0.026676 ↙
0.057161      0.064094      0.021142      0.009856     0.0038982      0.010718 ↙
0.017057       0.09926      0.015064      0.20594       0.028086      0.33363 ↙
```

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0.018406      0.010718      0.035127      0.028127      0.046462      0.067578 ↙
0.0087927       0.01219      0.002361      0.012805     0.0070685       0.09853 ↙
0.010233      0.015001      0.14621       0.014859      0.012805       0.02908 ↙
0.02566       0.001136     0.085348      0.0017039     0.027042     0.00033824 ↙
0.0016823    0.00020786    0.00047665     0.0011174     0.027041     0.00054067 ↙
0.0090298      0.029953     0.0099032     0.00036557    0.00047665    0.00050103 ↙
0.027125     0.00095378    0.0097528     0.00014578     0.0016823    2.1269e-05 ↙
0.00020943    0.00066173    0.0097352     0.00025004     0.010677     0.00015973 ↙
0.00020943    0.00058607     0.017009     0.00056338     0.011726     0.00020309 ↙
0.0016823    2.6272e-05    0.00028739    0.00072701     0.011779     0.00035487 ↙
0.00022058    0.00028739      0.14304      0.89848       0.93052       0.81323 ↙
2.0043       0.63746        0.3344       2.3927         0.63932        2.8333 ↙
0.33333        0.79682        24.189         17.536         21.282         0.66667 ↙
0              0           0                 0              0              0 ↙
18.85         19.787          3.6527              0             0              0 ↙
0                 0              0              0             0         2.3236 ↙
9.68         8.8685          9.0368         1.5877             0
     0.06806      0.18203     0.042816     0.043679       0.01736    0.038979 ↙
0.030067     0.18237     0.038936       0.14701       0.20587      0.030481 ↙
0.54157       1.3212       0.036541      0.038979      0.045745      0.062235 ↙
0.06588      0.084203      0.023115      0.015426     0.0058975      0.017371 ↙
0.020785       0.11726       0.02266       0.20367       0.042043      0.30094 ↙
0.030414      0.017371      0.042655      0.049805       0.15021       0.11356 ↙
0.02615      0.035899      0.009798      0.03353       0.01866       0.18541 ↙
0.040242      0.029027      0.38083       0.024829       0.03353        0.1178 ↙
0.043903      0.0010016      0.16209      0.0027935     0.051476     0.00031351 ↙
0.0028473    0.00036092    0.00043665     0.0011619     0.051521     0.00047913 ↙
0.011953      0.059333      0.020021     0.00034027    0.00043665    0.00061102 ↙
0.040063      0.0015248     0.017416     0.00018891     0.0028473    3.1835e-05 ↙
0.00026039    0.00075349      0.01742     0.00043142     0.030505     0.00020057 ↙
0.00026039    0.00089706       0.0773      0.0028704     0.041297      0.0002251 ↙
0.0028473    0.00014455    0.00031392     0.0012195     0.041225     0.00045241 ↙
0.00024267    0.00031392      0.17505      0.50577       0.69693       0.56305 ↙
1.5281        0.5599        0.96406       1.7656         0.5599        4.0672 ↙
5.3739         2.7354        11.037         28.008         29.925          5.1704 ↙
0              0           0                 0              0         0.60945 ↙
16.636         28.975          16.723        0.16667             0              0 ↙
0                 0              0              0        2.2552         3.6344 ↙
16.472          19.08          18.994          5.053        3.4174
    0.021123      0.11581     0.022401     0.014187     0.0084068    0.016031 ↙
0.013704     0.11504     0.012134       0.1237       0.15058      0.035585 ↙
0.39473       1.1058       0.016354      0.016031       0.02811       0.045851 ↙
0.053375      0.038505     0.0083643     0.0093951     0.0013063     0.0093329 ↙
0.0054164      0.061929       0.00939      0.16811       0.007908      0.42215 ↙
0.010929     0.0093329       0.02542      0.012151      0.062497      0.097539 ↙
0.01535      0.038033     0.0025519      0.038712     0.0094753       0.12576 ↙
0.037939      0.012616      0.45884       0.033195      0.038712      0.058776 ↙
0.049641     0.00099701     0.069297     0.00072871     0.013734     0.00033831 ↙
0.00080469     9.575e-05    0.00047472    0.00083366     0.013907     0.00052138 ↙
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0.0030773     0.0072139      0.010038     0.00036469    0.00047472    0.00037069 ↙
0.013923     0.00053354    0.0084728     0.00010064    0.00080469    1.8239e-05 ↙
0.00014038     0.0004885    0.0085034     0.00023906     0.007563     0.00010749 ↙
0.00014038    0.00056948     0.035692      0.0021229     0.034239     0.00014902 ↙
0.00080469    8.7372e-05    0.00021392    0.00072184     0.034208     0.00027318 ↙
0.00016476    0.00021392     0.053385      0.29994       0.55777       0.58631 ↙
1.7523       0.64918        1.1467        1.6812         0.56625             3 ↙
0.33333         3.2037        8.5905         18.086         13.439               0 ↙
0               0           0                 0              0            0.5 ↙
10.467         10.465          1.1738             0             0              0 ↙
0                 0             0              0             0          2.086 ↙
16.456         40.434          48.046             0             0
    0.025937      0.11337     0.022384     0.012735     0.0083835    0.015465 ↙
0.01453     0.11717     0.011535       0.17559       0.15206      0.038961 ↙
0.38807        1.105       0.018271      0.015465      0.025307      0.044744 ↙
0.046999      0.028812     0.0080574      0.010436     0.0011221      0.014649 ↙
0.0053645      0.059787     0.0092538      0.14531      0.0071565      0.42905 ↙
0.012259      0.014649      0.024081      0.016254      0.076897       0.11146 ↙
0.015625      0.046251      0.002718      0.041744      0.010173        0.1224 ↙
0.0458      0.015549      0.44073       0.040153      0.041744      0.070412 ↙
0.062463     0.00098521     0.067782     0.00079498      0.01405     0.00032381 ↙
0.00083358    9.9411e-05    0.00045732     0.0009168     0.014134     0.00050519 ↙
0.003277     0.0074931      0.011633     0.00035159    0.00045732    0.00028934 ↙
0.0084783     0.00055732     0.010593     0.00012094    0.00083358    1.8005e-05 ↙
0.00017174    0.00037082     0.010583     0.00025269    0.0068896     0.00012884 ↙
0.00017174    0.00055006     0.047521      0.0030053     0.048607     0.00015172 ↙
0.00083358    0.00012426    0.00021419    0.00086491      0.04861     0.00024354 ↙
0.00016462    0.00021419     0.051488       0.4196       0.60945       0.59588 ↙
3.3091       0.99003        1.0577        1.7181         0.48714        2.8333 ↙
0.33333         2.9867        9.8343         18.326         13.922               0 ↙
0               0           0                 0              0              0 ↙
10.732         10.709          0.83333            0             0              0 ↙
0                 0             0              0             0          2.4745 ↙
22.019         34.051          51.219          1.0994            0
    0.037505      0.13268     0.023822     0.023911      0.012499    0.015373 ↙
0.017436     0.14445     0.020875       0.11295       0.1033      0.046856 ↙
0.31401      0.44834       0.036262      0.015373      0.068835      0.034082 ↙
0.075754      0.055249      0.013071      0.014569      0.003554      0.015446 ↙
0.010341       0.10225      0.015188      0.18325       0.020866      0.21499 ↙
0.021955      0.015446      0.044893      0.025878      0.057745       0.14115 ↙
0.014738      0.014197     0.0040992        0.0205       0.01178       0.16403 ↙
0.014817      0.026704      0.29819       0.015542        0.0205       0.03189 ↙
0.026646      0.0010785      0.11616      0.0014392      0.02622     0.00045179 ↙
0.0015342    0.00020566    0.00066152    0.00095535     0.026409     0.00079606 ↙
0.008071      0.013362       0.10238     0.00051481    0.00066152     0.0005732 ↙
0.02747     0.00089694     0.014698      0.0001825     0.0015342    3.1869e-05 ↙
0.0002602    0.00074517     0.014723     0.00048591     0.092417     0.00019496 ↙
0.0002602    0.00067634     0.030002      0.0010535     0.013723     0.00021567 ↙
0.0015342    1.6325e-05    0.00030407    0.00087461      0.01381     0.00034363 ↙
```

```
0.00023667    0.00030407      0.11912      0.43802       0.60356        0.2378 ↙
2.5189       0.95077       0.99392        1.2134          0.5542             3 ↙
0.36839         4.4301        15.696         21.646         9.4993          5.3184 ↙
5.4971              0           0                 0             0         3.5777 ↙
12.358          14.09          3.2547             0             0              0 ↙
0                 0        0.52251         1.7913        4.9742         10.921 ↙
14.315         14.326          1.1859             0             0
    0.037505      0.13268     0.023822     0.023911      0.012499    0.015373 ↙
0.017436     0.14445     0.020875       0.11295        0.1033      0.046856 ↙
0.31401      0.44834       0.036262      0.015373      0.068835      0.034082 ↙
0.075754      0.055249      0.013071      0.014569      0.003554      0.015446 ↙
0.010341       0.10225      0.015188      0.18325       0.020866      0.21499 ↙
0.021955      0.015446      0.044893      0.025878      0.057745       0.14115 ↙
0.014738      0.014197     0.0040992        0.0205       0.01178       0.16403 ↙
0.014817      0.026704      0.29819       0.015542        0.0205       0.03189 ↙
0.026646      0.0010785       0.11616      0.0014392      0.02622     0.00045179 ↙
0.0015342    0.00020566    0.00066152    0.00095535     0.026409     0.00079606 ↙
0.008071      0.013362        0.10238     0.00051481    0.00066152     0.0005732 ↙
0.02747     0.00089694     0.014698      0.0001825     0.0015342    3.1869e-05 ↙
0.0002602    0.00074517     0.014723     0.00048591     0.092417     0.00019496 ↙
0.0002602    0.00067634     0.030002      0.0010535     0.013723     0.00021567 ↙
0.0015342    1.6325e-05    0.00030407    0.00087461      0.01381     0.00034363 ↙
0.00023667    0.00030407      0.11912      0.43802       0.60356        0.2378 ↙
2.5189       0.95077       0.99392        1.2134          0.5542             3 ↙
0.36839         4.4301        15.696         21.646         9.4993          5.3184 ↙
5.4971              0           0                 0             0         3.5777 ↙
12.358          14.09          3.2547             0             0              0 ↙
0                 0        0.52251         1.7913        4.9742         10.921 ↙
14.315         14.326          1.1859             0             0
    0.046364      0.12277     0.031781     0.031357      0.017692     0.03326 ↙
0.028525     0.14729     0.024657      0.073956       0.09022      0.072157 ↙
0.15932      0.30872       0.054361       0.03326      0.055174      0.072335 ↙
0.049377      0.062975      0.012916      0.019809     0.0026641        0.0229 ↙
0.012231      0.080118      0.020805      0.15321       0.031564      0.23076 ↙
0.028306        0.0229      0.034067      0.039537      0.070893       0.14878 ↙
0.021323      0.058502      0.006247      0.063616       0.01652       0.16143 ↙
0.02334      0.032947       0.3103       0.053879      0.063616        0.0701 ↙
0.097736      0.0011617       0.14249      0.0015067     0.031446     0.00047563 ↙
0.001618     0.0002157     0.0006953     0.0010449     0.031616     0.00097389 ↙
0.0082434       0.014061        0.18273      0.0005371     0.0006953    0.00052765 ↙
0.027316      0.0012316     0.019345     0.00017462      0.001618    3.9331e-05 ↙
0.00023979    0.00058555      0.019375     0.00037276      0.15644     0.00018661 ↙
0.00023979    0.00077284      0.042321      0.0014822     0.014277      0.0002589 ↙
0.001618    2.5957e-05    0.00036206     0.0010216     0.014281     0.00041521 ↙
0.00027949    0.00036206      0.13639      0.50544       0.76997       0.46251 ↙
1.5706       0.59295       0.76751        1.3019        0.48714        2.8333 ↙
0.5         9.2673        13.955         19.275         9.9142          8.0646 ↙
6.3177              0           0                 0             0        0.83333 ↙
23.962         23.706          1.9124             0             0              0 ↙
```

```
0                0         1.1859         2.6203         24.643         20.992 ↙
25.273         38.699              0              0              0
    0.040484      0.11127     0.026069     0.024246      0.014567     0.024593 ↙
0.022215     0.13141     0.020956     0.057755     0.071686     0.054027 ↙
0.18891      0.35327      0.040988      0.024593      0.045961      0.051298 ↙
0.045285      0.031403     0.0077021      0.011804     0.0016799      0.019461 ↙
0.0074947      0.057457      0.011354      0.15357      0.021307      0.18853 ↙
0.016763      0.019461      0.027019      0.041576      0.034221        0.1245 ↙
0.011966       0.02522     0.0033052      0.029976     0.0084877       0.12584 ↙
0.013918      0.019779      0.29033       0.026434      0.029976      0.027473 ↙
0.065478      0.0013384       0.12127      0.0013823     0.026259     0.00045921 ↙
0.001479    0.00019856    0.00071774     0.0010706     0.026463     0.00097668 ↙
0.0074298       0.01128       0.13142     0.00055568    0.00071774    0.00045281 ↙
0.01566     0.00075471     0.012376     0.00016583      0.001479     2.674e-05 ↙
0.00025062     0.0005042     0.012415     0.00041064     0.099439     0.00019125 ↙
0.00025062    0.00083543     0.030028     0.00098142     0.012072     0.00025872 ↙
0.001479    1.4874e-05    0.00037543    0.00091431      0.01216     0.00041204 ↙
0.00028688    0.00037543      0.11122      0.55452       0.80277       0.27406 ↙
1.1976       0.58554        0.6748        1.0612        0.52478             3 ↙
0.33333         5.5871        11.869         15.345         7.4686          5.0849 ↙
5.9137             0           0                0             0              0 ↙
13.82          13.75          1.2734             0             0              0 ↙
0                0              0         2.8447        13.744          8.843 ↙
12.939         8.0071              0              0              0
    0.072791      0.12992     0.030376     0.031918      0.013355     0.032035 ↙
0.019978     0.15507     0.032531       0.10724      0.062265      0.039046 ↙
0.34694      0.69941        0.03266      0.032035      0.058985      0.054324 ↙
0.043867      0.083153      0.026385      0.014465     0.0074956      0.021504 ↙
0.023389       0.11729      0.022334      0.24842       0.046682      0.14245 ↙
0.032133      0.021504      0.039262      0.050042       0.07858       0.14077 ↙
0.022992      0.025386     0.0065606      0.019393      0.018482       0.18678 ↙
0.025153      0.038566      0.30843       0.013779      0.019393      0.064022 ↙
0.070168      0.0010452       0.10516      0.0018817     0.030062     0.00036937 ↙
0.0018817    0.00025837    0.00050402     0.0010445     0.030093     0.00060421 ↙
0.011277      0.020823       0.12483     0.00039342    0.00050402    0.00060558 ↙
0.042937      0.0012231     0.013425     0.00019786     0.0018817    4.0275e-05 ↙
0.00028617    0.00085283     0.013408     0.00041875      0.13918     0.00021819 ↙
0.00028617    0.00061915     0.036743      0.0015155     0.014687     0.00019527 ↙
0.0018817    2.4711e-05    0.00028093    0.00079866     0.014722     0.00028714 ↙
0.00021693    0.00028093       0.1962      0.75708       0.95618        0.2354 ↙
1.7482       0.66845        0.873         2.3737        0.79682             3 ↙
0.33333         0.8319        7.1793         24.931         14.692          7.5787 ↙
6.4105             0           0                0             0          3.4705 ↙
17.18          22.256          5.1832             0             0              0 ↙
0                0              0         3.2377        5.7046          9.518 ↙
33.093         35.729         0.66667              0              0
    0.082284      0.13813     0.032256     0.029455      0.014509     0.030881 ↙
0.023337        0.17     0.030168         0.122      0.076712       0.04848 ↙
0.33795      0.67771        0.03126      0.030881      0.058547      0.051587 ↙
```

```
0.03994       0.12102      0.028387      0.027061     0.0089637      0.034598 ↙
0.021941       0.14954      0.033843       0.21519       0.038904       0.15357 ↙
0.039951      0.034598       0.03794      0.066308      0.055902       0.17799 ↙
0.019657       0.01992     0.0059799      0.020232      0.014373       0.21086 ↙
0.019896      0.032231       0.34825      0.012098      0.020232      0.044553 ↙
0.079981     0.0010713       0.11592       0.002133     0.033109     0.00036994 ↙
0.0021384    0.00029665    0.00050222     0.0012593     0.033223     0.00057771 ↙
0.012033      0.025748       0.11036    0.00039827    0.00050222    0.00097162 ↙
0.073876     0.0022082     0.028219    0.00023781     0.0021384    7.6484e-05 ↙
0.00032816     0.0013324     0.028226    0.00049159      0.12518     0.00025239 ↙
0.00032816    0.00071683     0.038662     0.0013076    0.0099337     0.00024351 ↙
0.0021384     2.147e-05    0.00037414    0.00090591     0.009936     0.00039922 ↙
0.00029038    0.00037414       0.17695       0.6336       0.77408       0.33505 ↙
2.1903        0.7232        1.1877        2.0852         0.59094        2.8333 ↙
0.52251         1.7256         8.3535          20.473          15.244           8.264 ↙
8.391             0           0                0             1          6.0492 ↙
19.181         23.147          7.9624             0             0             0 ↙
0                 0         1.2971         2.6833        5.6245         10.092 ↙
23.188         23.965         0.69693             0             0
    0.041035      0.10448     0.034984     0.042469      0.020437     0.039447 ↙
0.031151     0.11436     0.033921     0.065829      0.13773      0.071815 ↙
0.093979      0.19237       0.071524      0.039447      0.032669       0.06152 ↙
0.064398       0.12431      0.040739      0.030086       0.01799      0.030265 ↙
0.036756       0.15937      0.041451       0.10956      0.082599       0.14844 ↙
0.059094      0.030265      0.058794       0.08292      0.040373        0.1632 ↙
0.02238      0.022249     0.0058674      0.017141      0.014798       0.17148 ↙
0.017373      0.025682       0.56284      0.030846      0.017141      0.034287 ↙
0.041879      0.0014201       0.13008     0.0018002     0.034745     0.0004525 ↙
0.0018785    0.00024062    0.00074681     0.0011476     0.034772     0.0012761 ↙
0.012528       0.10444      0.017431    0.00056772    0.00074681    0.00095179 ↙
0.068642      0.0021178     0.025069    0.00033917     0.0018785    6.5414e-05 ↙
0.00049662     0.0011509       0.02513     0.00060239     0.090713      0.0003834 ↙
0.00049662    0.00087398     0.031386      0.0012285     0.025068     0.00028577 ↙
0.0018785    6.5442e-05    0.00046649     0.0011052     0.025149     0.00068349 ↙
0.00035294    0.00046649       0.22974       0.38199       0.86694       0.18373 ↙
1.5927       0.84092        1.6542        1.5257         0.64918             3 ↙
3.8059         22.246         10.698          11.886          9.2731          10.022 ↙
1.3555             0           0                0        0.33333         6.8468 ↙
15.934         32.859          21.07         2.0229             0             0 ↙
0                 0             0              0        1.9065         4.7438 ↙
14.145         18.687         22.472         6.8024             0
     0.06515      0.22944     0.042314     0.051513      0.017372     0.050232 ↙
0.029258      0.2626     0.044897       0.1512       0.15115      0.051792 ↙
0.42153       1.5668       0.069321      0.050232      0.029885      0.043545 ↙
0.12344      0.086262      0.039084      0.022713      0.030844      0.029742 ↙
0.036238       0.16708      0.041277       0.13498      0.093843       0.09251 ↙
0.066286      0.029742      0.072371      0.076156       0.04038       0.22683 ↙
0.026815      0.018868     0.0078269      0.019453      0.017326        0.2353 ↙
0.013292      0.030498       0.76055      0.021348      0.019453      0.037666 ↙
```

```
0.10298      0.0014661      0.26275      0.0029849     0.054866     0.00047292 ↙
0.0031586    0.00047317    0.00068009     0.0014233     0.055146     0.00095951 ↙
0.019553      0.044065      0.024616     0.00051462    0.00068009     0.0019307 ↙
0.12493      0.0027283      0.02969     0.00044642     0.0031586    0.00016273 ↙
0.00063617         0.0023     0.029822     0.00088612     0.057273     0.00048582 ↙
0.00063617     0.0011036     0.050948     0.00080208     0.020113     0.00022347 ↙
0.0031586     3.802e-05    0.00031272     0.0016042     0.020143     0.00039126 ↙
0.00024304    0.00031272      0.29598       2.5881         2.602       0.14474 ↙
1.8163       0.91026        1.8647        1.4506         0.7232        2.9999 ↙
0.82808         2.8846        11.017          20.43         19.105          25.014 ↙
2.6325        0.16667             0          0.74907         12.244         9.1219 ↙
6.2769          11.48          11.27          8.4312         0.76012              0 ↙
0                  0              0        0.83333         3.3547         4.0809 ↙
16.246         19.514         6.3072          7.6355              0

>> % Directory containing the files
dataDir = 'C:\Users\ASUS\Documents\Computer Science @Plymuni . NSBM\3rd Year\AI and ↙
ML\Coursework\New folder';

% Filter for .mat files and exclude 'matlab.mat'
files = dir(fullfile(dataDir, '*.mat'));
files = files(~strcmp({files.name}, 'matlab.mat')); % Exclude 'matlab.mat'
if isempty(files)
    error('No valid .mat files found in the directory. Please check the file ↙
extensions or path.');
else
    disp(['Number of .mat files found: ', num2str(length(files))]);
end

% Initialize variables
data_groups = containers.Map('KeyType', 'double', 'ValueType', 'any'); % Use 'double' ↙
for numeric keys

% Load and group data by feature count
for i = 1:length(files)
    filePath = fullfile(files(i).folder, files(i).name);
    disp(['Processing file: ', files(i).name]);

    % Load the data
    try
        data = load(filePath);
    catch ME
        disp(['Error loading file: ', files(i).name, ' - ', ME.message]);
        continue;
    end

    % Get field names in the .mat file
    featureKey = fieldnames(data);
    if isempty(featureKey)
```

```
        disp(['Skipping file: ', files(i).name, ' - No fields found in the data.']);
        continue;
    end
    disp(['Fields in the file: ', files(i).name]);
    disp(featureKey);

    % Access the first field (assuming it contains features)
    try
        features = data.(featureKey{1}); % Adjust if necessary
    catch
        disp(['Skipping file: ', files(i).name, ' - Unable to access the first↙
field.']);
        continue;
    end

    % Validate features
    if isempty(features) || ~isnumeric(features)
        disp(['Skipping file: ', files(i).name, ' - Data is empty or not numeric.']);
        continue;
    end

    % Display data size for debugging
    disp(['File: ', files(i).name, ', Size: ', num2str(size(features))]);

    % Group by feature count
    feature_count = size(features, 2); % Number of features (columns)
    if ~isKey(data_groups, feature_count)
        data_groups(feature_count) = features;
    else
        data_groups(feature_count) = [data_groups(feature_count); features];
    end
end

% Train and evaluate MLP for each feature group
feature_keys = keys(data_groups);
for k = 1:length(feature_keys)
    feature_count = feature_keys{k};
    dataset = data_groups(feature_count);

    disp(['Training MLP for ', num2str(feature_count), '-feature dataset...']);

    % Split data into training and testing sets
    [n_samples, n_features] = size(dataset);
    labels = randi([0, 1], n_samples, 1); % Example: Generate random binary labels

    % Shuffle data
    perm = randperm(n_samples);
    dataset = dataset(perm, :);
    labels = labels(perm, :);
```

```
    % 80% training, 20% testing
    train_ratio = 0.8;
    n_train = round(train_ratio * n_samples);
    train_data = dataset(1:n_train, :);
    train_labels = labels(1:n_train);
    test_data = dataset(n_train+1:end, :);
    test_labels = labels(n_train+1:end);

    % Train MLP
    net = feedforwardnet(10); % 10 hidden neurons (adjust as necessary)
    net.trainParam.showWindow = false; % Suppress GUI for automated runs
    net = train(net, train_data', train_labels'); % Transpose for MATLAB format

    % Test MLP
    predictions = net(test_data')';
    predictions = round(predictions); % Convert outputs to binary for comparison

    % Evaluate performance
    accuracy = mean(predictions == test_labels);
    disp(['Accuracy for ', num2str(feature_count), '-feature dataset: ', num2str↙
(accuracy * 100), '%']);
end
Number of .mat files found: 60
Processing file: U01_Acc_FreqD_FDay.mat
Fields in the file: U01_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U01_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U01_Acc_FreqD_MDay.mat
Fields in the file: U01_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U01_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U01_Acc_TimeD_FDay.mat
Fields in the file: U01_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U01_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U01_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U01_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U01_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U01_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U01_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U01_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
```

```
Processing file: U01_Acc_TimeD_MDay.mat
Fields in the file: U01_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U01_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U02_Acc_FreqD_FDay.mat
Fields in the file: U02_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U02_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U02_Acc_FreqD_MDay.mat
Fields in the file: U02_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U02_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U02_Acc_TimeD_FDay.mat
Fields in the file: U02_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U02_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U02_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U02_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U02_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U02_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U02_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U02_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U02_Acc_TimeD_MDay.mat
Fields in the file: U02_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U02_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U03_Acc_FreqD_FDay.mat
Fields in the file: U03_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U03_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U03_Acc_FreqD_MDay.mat
Fields in the file: U03_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U03_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U03_Acc_TimeD_FDay.mat
Fields in the file: U03_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}
```

```
File: U03_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U03_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U03_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U03_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U03_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U03_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U03_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U03_Acc_TimeD_MDay.mat
Fields in the file: U03_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U03_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U04_Acc_FreqD_FDay.mat
Fields in the file: U04_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U04_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U04_Acc_FreqD_MDay.mat
Fields in the file: U04_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U04_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U04_Acc_TimeD_FDay.mat
Fields in the file: U04_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U04_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U04_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U04_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U04_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U04_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U04_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U04_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U04_Acc_TimeD_MDay.mat
Fields in the file: U04_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U04_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U05_Acc_FreqD_FDay.mat
Fields in the file: U05_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}
```

```
File: U05_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U05_Acc_FreqD_MDay.mat
Fields in the file: U05_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U05_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U05_Acc_TimeD_FDay.mat
Fields in the file: U05_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U05_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U05_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U05_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U05_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U05_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U05_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U05_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U05_Acc_TimeD_MDay.mat
Fields in the file: U05_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U05_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U06_Acc_FreqD_FDay.mat
Fields in the file: U06_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U06_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U06_Acc_FreqD_MDay.mat
Fields in the file: U06_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U06_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U06_Acc_TimeD_FDay.mat
Fields in the file: U06_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U06_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U06_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U06_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U06_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U06_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U06_Acc_TimeD_FreqD_MDay.mat
```

```
    {'Acc_TDFD_Feat_Vec'}

File: U06_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U06_Acc_TimeD_MDay.mat
Fields in the file: U06_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U06_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U07_Acc_FreqD_FDay.mat
Fields in the file: U07_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U07_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U07_Acc_FreqD_MDay.mat
Fields in the file: U07_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U07_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U07_Acc_TimeD_FDay.mat
Fields in the file: U07_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U07_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U07_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U07_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U07_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U07_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U07_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U07_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U07_Acc_TimeD_MDay.mat
Fields in the file: U07_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U07_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U08_Acc_FreqD_FDay.mat
Fields in the file: U08_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U08_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U08_Acc_FreqD_MDay.mat
Fields in the file: U08_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U08_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U08_Acc_TimeD_FDay.mat
```

```
Fields in the file: U08_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U08_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U08_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U08_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U08_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U08_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U08_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U08_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U08_Acc_TimeD_MDay.mat
Fields in the file: U08_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U08_Acc_TimeD_MDay.mat, Size: 36  88
Processing file: U09_Acc_FreqD_FDay.mat
Fields in the file: U09_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U09_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U09_Acc_FreqD_MDay.mat
Fields in the file: U09_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U09_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U09_Acc_TimeD_FDay.mat
Fields in the file: U09_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U09_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U09_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U09_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U09_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U09_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U09_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U09_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U09_Acc_TimeD_MDay.mat
Fields in the file: U09_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U09_Acc_TimeD_MDay.mat, Size: 36  88
```

```
Processing file: U10_Acc_FreqD_FDay.mat
Fields in the file: U10_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

File: U10_Acc_FreqD_FDay.mat, Size: 36  43
Processing file: U10_Acc_FreqD_MDay.mat
Fields in the file: U10_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

File: U10_Acc_FreqD_MDay.mat, Size: 36  43
Processing file: U10_Acc_TimeD_FDay.mat
Fields in the file: U10_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

File: U10_Acc_TimeD_FDay.mat, Size: 36  88
Processing file: U10_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U10_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U10_Acc_TimeD_FreqD_FDay.mat, Size: 36  131
Processing file: U10_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U10_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

File: U10_Acc_TimeD_FreqD_MDay.mat, Size: 36  131
Processing file: U10_Acc_TimeD_MDay.mat
Fields in the file: U10_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

File: U10_Acc_TimeD_MDay.mat, Size: 36  88
Training MLP for 43-feature dataset...
Accuracy for 43-feature dataset: 47.9167%
Training MLP for 88-feature dataset...
Accuracy for 88-feature dataset: 50.6944%
Training MLP for 131-feature dataset...
Accuracy for 131-feature dataset: 55.5556%
>> % Directory containing the files
dataDir = 'C:\Users\ASUS\Documents\Computer Science @Plymuni . NSBM\3rd Year\AI and ↙
ML\Coursework\New folder';

% Filter for .mat files
files = dir(fullfile(dataDir, '*.mat'));
if isempty(files)
    error('No .mat files found in the directory. Please check the file extensions or ↙
path.');
else
    disp(['Number of .mat files found: ', num2str(length(files))]);
end
```

```
% Initialize variables
data_groups = containers.Map('KeyType', 'double', 'ValueType', 'any');

% Load and group data by feature count
for i = 1:length(files)
    filePath = fullfile(files(i).folder, files(i).name);
    disp(['Processing file: ', files(i).name]);

    % Load the data
    try
        data = load(filePath);
    catch ME
        disp(['Error loading file: ', files(i).name, ' - ', ME.message]);
        continue;
    end

    % Get field names in the .mat file
    featureKey = fieldnames(data);
    if isempty(featureKey)
        disp(['Skipping file: ', files(i).name, ' - No fields found in the data.']);
        continue;
    end
    disp(['Fields in the file: ', files(i).name]);
    disp(featureKey);

    % Access the first field (assuming it contains features)
    try
        features = data.(featureKey{1});
    catch
        disp(['Skipping file: ', files(i).name, ' - Unable to access the first↙
field.']);
        continue;
    end

    % Validate features
    if isempty(features) || ~isnumeric(features)
        disp(['Skipping file: ', files(i).name, ' - Data is empty or not numeric.']);
        continue;
    end

    % Group by feature count
    feature_count = size(features, 2); % Number of features (columns)
    if ~isKey(data_groups, feature_count)
        data_groups(feature_count) = features;
    else
        data_groups(feature_count) = [data_groups(feature_count); features];
    end
end
```

```
% Train and evaluate MLP for each feature group
feature_keys = keys(data_groups);
for k = 1:length(feature_keys)
    feature_count = feature_keys{k};
    dataset = data_groups(feature_count);

    disp(['Training MLP for ', num2str(feature_count), '-feature dataset...']);

    % Split data into training and testing sets
    [n_samples, n_features] = size(dataset);
    labels = randi([0, 1], n_samples, 1); % Example: Generate random binary labels

    % Shuffle data
    perm = randperm(n_samples);
    dataset = dataset(perm, :);
    labels = labels(perm, :);

    % 80% training, 20% testing
    train_ratio = 0.8;
    n_train = round(train_ratio * n_samples);
    train_data = dataset(1:n_train, :);
    train_labels = labels(1:n_train);
    test_data = dataset(n_train+1:end, :);
    test_labels = labels(n_train+1:end);

    % PCA for dimensionality reduction
    [coeff, train_data_pca, ~, ~, explained] = pca(train_data);
    cumulativeVariance = cumsum(explained);
    pca_idx = find(cumulativeVariance >= 95, 1); % Retain 95% variance
    train_data_pca = train_data_pca(:, 1:pca_idx);
    test_data_pca = test_data * coeff(:, 1:pca_idx);

    % Step 3: Cross-Validated Training and Tuning
    hidden_layer_sizes = [5, 10, 20]; % Number of neurons to test
    activation_functions = {'logsig', 'tansig', 'purelin'};
    best_accuracy = 0;
    best_net = [];

    for h = 1:length(hidden_layer_sizes)
        for a = 1:length(activation_functions)
            % Create and configure MLP
            net = feedforwardnet(hidden_layer_sizes(h));
            net.layers{1}.transferFcn = activation_functions{a};
            net.trainParam.showWindow = false; % Suppress GUI
            net.divideParam.trainRatio = 0.8; % Train
            net.divideParam.valRatio = 0.1;   % Validation
            net.divideParam.testRatio = 0.1;  % Test

            % Add L2 regularization
```

```
            net.performParam.regularization = 0.1; % Regularization parameter

            % Train with cross-validation
            net = train(net, train_data_pca', train_labels'); % Transpose for MATLAB↙
format

            % Evaluate on test set
            predictions = net(test_data_pca')';
            predictions = round(predictions); % Convert outputs to binary for↙
comparison
            accuracy = mean(predictions == test_labels);

            disp(['Hidden neurons: ', num2str(hidden_layer_sizes(h)), ', Activation:↙
', activation_functions{a}, ...
                  ', Accuracy: ', num2str(accuracy * 100), '%']);

            % Track the best model
            if accuracy > best_accuracy
                best_accuracy = accuracy;
                best_net = net;
            end
        end
    end

    % Display best model results
    disp(['Best model for ', num2str(feature_count), '-feature dataset:']);
    disp(['Accuracy: ', num2str(best_accuracy * 100), '%']);
end
Number of .mat files found: 61
Processing file: U01_Acc_FreqD_FDay.mat
Fields in the file: U01_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U01_Acc_FreqD_MDay.mat
Fields in the file: U01_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U01_Acc_TimeD_FDay.mat
Fields in the file: U01_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U01_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U01_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U01_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U01_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}
```

```
Processing file: U01_Acc_TimeD_MDay.mat
Fields in the file: U01_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U02_Acc_FreqD_FDay.mat
Fields in the file: U02_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U02_Acc_FreqD_MDay.mat
Fields in the file: U02_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U02_Acc_TimeD_FDay.mat
Fields in the file: U02_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U02_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U02_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U02_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U02_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U02_Acc_TimeD_MDay.mat
Fields in the file: U02_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U03_Acc_FreqD_FDay.mat
Fields in the file: U03_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U03_Acc_FreqD_MDay.mat
Fields in the file: U03_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U03_Acc_TimeD_FDay.mat
Fields in the file: U03_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U03_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U03_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U03_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U03_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U03_Acc_TimeD_MDay.mat
```

```
Fields in the file: U03_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U04_Acc_FreqD_FDay.mat
Fields in the file: U04_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U04_Acc_FreqD_MDay.mat
Fields in the file: U04_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U04_Acc_TimeD_FDay.mat
Fields in the file: U04_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U04_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U04_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U04_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U04_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U04_Acc_TimeD_MDay.mat
Fields in the file: U04_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U05_Acc_FreqD_FDay.mat
Fields in the file: U05_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U05_Acc_FreqD_MDay.mat
Fields in the file: U05_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U05_Acc_TimeD_FDay.mat
Fields in the file: U05_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U05_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U05_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U05_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U05_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U05_Acc_TimeD_MDay.mat
Fields in the file: U05_Acc_TimeD_MDay.mat
```

```
    {'Acc_TD_Feat_Vec'}

Processing file: U06_Acc_FreqD_FDay.mat
Fields in the file: U06_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U06_Acc_FreqD_MDay.mat
Fields in the file: U06_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U06_Acc_TimeD_FDay.mat
Fields in the file: U06_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U06_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U06_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U06_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U06_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U06_Acc_TimeD_MDay.mat
Fields in the file: U06_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U07_Acc_FreqD_FDay.mat
Fields in the file: U07_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U07_Acc_FreqD_MDay.mat
Fields in the file: U07_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U07_Acc_TimeD_FDay.mat
Fields in the file: U07_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U07_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U07_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U07_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U07_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U07_Acc_TimeD_MDay.mat
Fields in the file: U07_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}
```

```
Processing file: U08_Acc_FreqD_FDay.mat
Fields in the file: U08_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U08_Acc_FreqD_MDay.mat
Fields in the file: U08_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U08_Acc_TimeD_FDay.mat
Fields in the file: U08_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U08_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U08_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U08_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U08_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U08_Acc_TimeD_MDay.mat
Fields in the file: U08_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U09_Acc_FreqD_FDay.mat
Fields in the file: U09_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U09_Acc_FreqD_MDay.mat
Fields in the file: U09_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U09_Acc_TimeD_FDay.mat
Fields in the file: U09_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U09_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U09_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U09_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U09_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U09_Acc_TimeD_MDay.mat
Fields in the file: U09_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}
```

```
Processing file: U10_Acc_FreqD_FDay.mat
Fields in the file: U10_Acc_FreqD_FDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U10_Acc_FreqD_MDay.mat
Fields in the file: U10_Acc_FreqD_MDay.mat
    {'Acc_FD_Feat_Vec'}

Processing file: U10_Acc_TimeD_FDay.mat
Fields in the file: U10_Acc_TimeD_FDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: U10_Acc_TimeD_FreqD_FDay.mat
Fields in the file: U10_Acc_TimeD_FreqD_FDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U10_Acc_TimeD_FreqD_MDay.mat
Fields in the file: U10_Acc_TimeD_FreqD_MDay.mat
    {'Acc_TDFD_Feat_Vec'}

Processing file: U10_Acc_TimeD_MDay.mat
Fields in the file: U10_Acc_TimeD_MDay.mat
    {'Acc_TD_Feat_Vec'}

Processing file: matlab.mat
Fields in the file: matlab.mat
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Training MLP for 1-feature dataset...
Hidden neurons: 5, Activation: logsig, Accuracy: NaN%
Hidden neurons: 5, Activation: tansig, Accuracy: NaN%
Hidden neurons: 5, Activation: purelin, Accuracy: NaN%
Hidden neurons: 10, Activation: logsig, Accuracy: NaN%
Hidden neurons: 10, Activation: tansig, Accuracy: NaN%
Hidden neurons: 10, Activation: purelin, Accuracy: NaN%
Hidden neurons: 20, Activation: logsig, Accuracy: NaN%
Hidden neurons: 20, Activation: tansig, Accuracy: NaN%
Hidden neurons: 20, Activation: purelin, Accuracy: NaN%
Best model for 1-feature dataset:
Accuracy: 0%
Training MLP for 43-feature dataset...
Warning: Columns of X are linearly dependent to within machine precision.
Using only the first 35 components to compute TSQUARED.
> In pca>localTSquared (line 515)
In pca (line 361)
Hidden neurons: 5, Activation: logsig, Accuracy: 49.3056%
Hidden neurons: 5, Activation: tansig, Accuracy: 52.0833%
Hidden neurons: 5, Activation: purelin, Accuracy: 51.3889%
Hidden neurons: 10, Activation: logsig, Accuracy: 49.3056%
Hidden neurons: 10, Activation: tansig, Accuracy: 49.3056%
```

```
Hidden neurons: 10, Activation: purelin, Accuracy: 53.4722%
Hidden neurons: 20, Activation: logsig, Accuracy: 50%
Hidden neurons: 20, Activation: tansig, Accuracy: 54.1667%
Hidden neurons: 20, Activation: purelin, Accuracy: 54.8611%
Best model for 43-feature dataset:
Accuracy: 54.8611%
Training MLP for 88-feature dataset...
Warning: Columns of X are linearly dependent to within machine precision.
Using only the first 78 components to compute TSQUARED.
> In pca>localTSquared (line 515)
In pca (line 361)
Hidden neurons: 5, Activation: logsig, Accuracy: 45.8333%
Hidden neurons: 5, Activation: tansig, Accuracy: 45.8333%
Hidden neurons: 5, Activation: purelin, Accuracy: 43.75%
Hidden neurons: 10, Activation: logsig, Accuracy: 45.8333%
Hidden neurons: 10, Activation: tansig, Accuracy: 43.75%
Hidden neurons: 10, Activation: purelin, Accuracy: 45.8333%
Hidden neurons: 20, Activation: logsig, Accuracy: 45.8333%
Hidden neurons: 20, Activation: tansig, Accuracy: 50.6944%
Hidden neurons: 20, Activation: purelin, Accuracy: 47.2222%
Best model for 88-feature dataset:
Accuracy: 50.6944%
Training MLP for 131-feature dataset...
Warning: Columns of X are linearly dependent to within machine precision.
Using only the first 104 components to compute TSQUARED.
> In pca>localTSquared (line 515)
In pca (line 361)
Hidden neurons: 5, Activation: logsig, Accuracy: 45.8333%
Hidden neurons: 5, Activation: tansig, Accuracy: 43.0556%
Hidden neurons: 5, Activation: purelin, Accuracy: 43.0556%
Hidden neurons: 10, Activation: logsig, Accuracy: 45.1389%
Hidden neurons: 10, Activation: tansig, Accuracy: 43.75%
Hidden neurons: 10, Activation: purelin, Accuracy: 48.6111%
Hidden neurons: 20, Activation: logsig, Accuracy: 55.5556%
Hidden neurons: 20, Activation: tansig, Accuracy: 46.5278%
Hidden neurons: 20, Activation: purelin, Accuracy: 50%
Best model for 131-feature dataset:
Accuracy: 55.5556%
>>
```