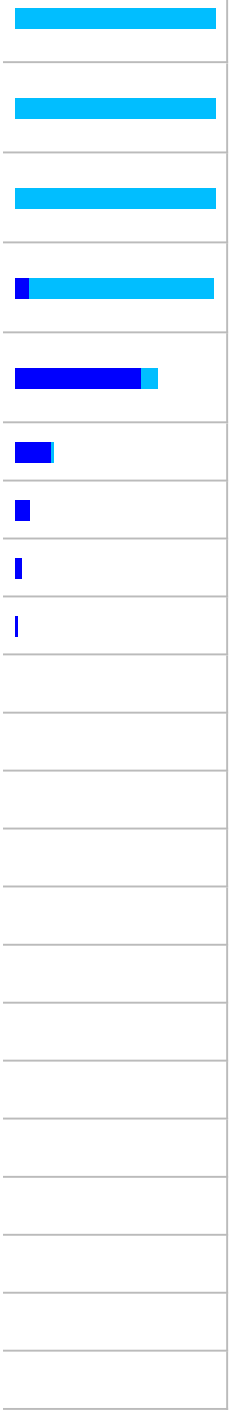
# Profile Summary

*Generated 16-Jun-2020 12:24:21 using performance time.*

| Function Name | Calls | **Total Time** | Self Time* |
|---|---|---|---|
| main_obj_comparison | 1 | 167.896 s | 0.398 s |
| optimization_M_one_against_one_BCD | 10 | 167.295 s | 0.002 s |
| ...n_M_one_against_one_binary_R_Block_CD | 10 | 167.293 s | 0.148 s |
| ...ssification_main_workflow_wei_partial | 10 | 167.102 s | 12.105 s |
| optimization_M_Block_CD | 9500 | 119.221 s | 106.222 s |
| optimization_M_lobpcg | 9500 | 31.830 s | 30.052 s |
| lsml_obj | 28594 | 12.521 s | 12.521 s |
| lsml_gradient | 9524 | 4.358 s | 4.358 s |
| mean | 75156 | 1.064 s | 0.871 s |
| cond | 75130 | 0.719 s | 0.719 s |
| mean>mysize | 75156 | 0.193 s | 0.193 s |
| importdata | 1 | 0.139 s | 0.003 s |
| importdata>LocalTextRead | 1 | 0.122 s | 0.002 s |
| importdata>parse | 1 | 0.081 s | 0.001 s |
| importdata>readData | 1 | 0.069 s | 0.064 s |
| optimization_M_Block_CDdia_corrected | 20 | 0.040 s | 0.010 s |
| ...tion_M_one_against_one_binary_results | 10 | 0.038 s | 0.038 s |
| ...tion_M_one_against_one_voting_1_and_2 | 10 | 0.037 s | 0.008 s |
| optimization_M_initialization | 10 | 0.030 s | 0.030 s |
| ...ization_M_one_against_one_voted_label | 10 | 0.027 s | 0.027 s |
| importdata>fixLineEndings | 2 | 0.023 s | 0.023 s |
| rng | 12 | 0.016 s | 0.002 s |

| Total Time Plot (dark band = self time) |
| --- |
|  |

| | | | |
|---|---|---|---|
| finfo | 1 | 0.015 s | 0.008 s |
| fileread | 1 | 0.014 s | 0.014 s |
| num2str | 84 | 0.011 s | 0.004 s |
| importdata>analyze | 1 | 0.011 s | 0.000 s |
| importdata>isvaliddata | 1 | 0.010 s | 0.001 s |
| optimization_M_clipping | 1 | 0.009 s | 0.009 s |
| importdata>maxNotData | 1 | 0.009 s | 0.001 s |
| importdata>isdata | 502 | 0.008 s | 0.008 s |
| crossvalind | 1 | 0.007 s | 0.002 s |
| rng>getCurrentType | 12 | 0.006 s | 0.002 s |
| std | 30 | 0.006 s | 0.001 s |
| ...m.RandStream>RandStream.RandStream | 12 | 0.006 s | 0.003 s |
| num2str>handleNumericPrecision | 39 | 0.005 s | 0.001 s |
| var | 30 | 0.004 s | 0.004 s |
| collectOutput | 1 | 0.004 s | 0.000 s |
| num2str>convertUsingRecycledSprintf | 39 | 0.004 s | 0.004 s |
| ...RandStream>localGetSetGlobalStream | 24 | 0.004 s | 0.003 s |
| grp2idx | 1 | 0.004 s | 0.000 s |
| grp2idx | 1 | 0.004 s | 0.001 s |
| lsml_S_D | 10 | 0.003 s | 0.003 s |
| finfo>getExtension | 1 | 0.003 s | 0.001 s |
| optimization_M_confusion_matrix_setting | 10 | 0.003 s | 0.003 s |
| ...dStream>RandStream.setGlobalStream | 12 | 0.003 s | 0.000 s |
| collectOutput>mergeColumns | 1 | 0.003 s | 0.003 s |
| fileparts | 3 | 0.003 s | 0.002 s |
| RandStream.RandStream>RandStream.subsref | 12 | 0.002 s | 0.002 s |
| int2str | 45 | 0.002 s | 0.002 s |
| ...dStream>RandStream.getGlobalStream | 12 | 0.002 s | 0.000 s |
| iofun\private\guessdelim | 1 | 0.002 s | 0.002 s |

| | | | |
|---|---|---|---|
| strtok | 1 | 0.002 s | 0.001 s |
| unique | 1 | 0.002 s | 0.001 s |
| RandStream.RandStream>getargs | 12 | 0.002 s | 0.002 s |
| strmatch | 1 | 0.001 s | 0.001 s |
| collectOutput>getTypesLengths | 1 | 0.001 s | 0.001 s |
| grp2idx>toString | 1 | 0.001 s | 0.001 s |
| strtok>doStrtok | 1 | 0.001 s | 0.001 s |
| optimization_M_oao_vae | 10 | 0.001 s | 0.001 s |
| importdata>TrimTrailing | 1 | 0.001 s | 0.001 s |
| ops\private\uniquelegacy | 1 | 0.001 s | 0.001 s |
| RandStream.RandStream>RandStream.algName | 12 | 0.001 s | 0.001 s |
| onCleanup>onCleanup.delete | 1 | 0.001 s | 0.000 s |
| var>mysize | 30 | 0.001 s | 0.001 s |
| xlsreadSupportedExtensions | 3 | 0.001 s | 0.001 s |
| RandStream.RandStream>RandStream.delete | 12 | 0.001 s | 0.001 s |
| rmfield | 1 | 0.000 s | 0.000 s |
| onCleanup>onCleanup.onCleanup | 1 | 0.000 s | 0.000 s |
| ispc | 3 | 0.000 s | 0.000 s |
| finfo>@()warning(avWarnState) | 1 | 0.000 s | 0.000 s |
| importdata>getLines | 2 | 0.000 s | 0.000 s |
| importdata>split | 1 | 0.000 s | 0.000 s |
| intmax | 2 | 0.000 s | 0.000 s |
| optimization_M_oao_oaa_error | 10 | 0.000 s | 0.000 s |
| importdata>@(x)(isnan(x)) | 2 | 0.000 s | 0.000 s |
| importdata>LocalRowColShuffle | 1 | 0.000 s | 0.000 s |
| intmin | 1 | 0.000 s | 0.000 s |
| optimization_M_net_error | 1 | 0.000 s | 0.000 s |
| isdatetime | 1 | 0.000 s | 0.000 s |
| isduration | 1 | 0.000 s | 0.000 s |

**Self time** is the time spent in a function excluding the time spent in its child functions. Self time also includes overhead resulting from the process of profiling.