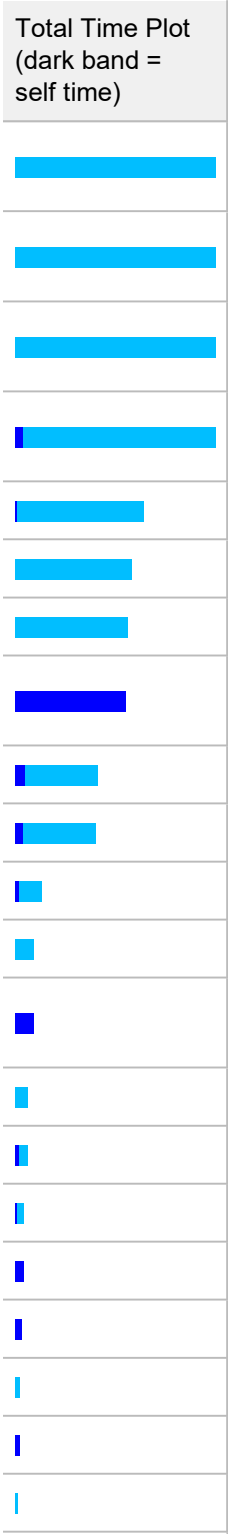


Profile Summary

Generated 13-Jun-2020 15:19:11 using performance time.

Function Name	Calls	Total Time	Self Time*
main_obj_comparison	1	1172.350 s	0.054 s
optimization_M_one_against_one_BCD	10	1171.934 s	0.002 s
...n_M_one_against_one_binary_R_Block_CD	10	1171.932 s	0.042 s
...tion_M_MLjournal_subgraph_1sbb2f_time	10	1171.883 s	47.870 s
linprog	40346	748.886 s	14.244 s
...riorPoint>LinprogInteriorPoint.run	40346	676.710 s	0.734 s
iplp	40346	653.449 s	1.502 s
optim\private\interiorPointLPmex (MEX-file)	40346	646.813 s	646.813 s
...lock_ns_cell_MLjournal_subgraph_gs_ws	20000	482.310 s	54.462 s
...ock_ns_cell_MLjournal_subgraph_gs_ws2	20000	474.503 s	48.355 s
...ns_cell_MLjournal_subgraph_FULLL_gs_ws	10	146.614 s	21.498 s
gurobi_test	20	103.427 s	0.967 s
gurobi (MEX-file)	20	102.459 s	102.459 s
optimization_M_gamma_GD	20366	73.774 s	0.316 s
optimization_M_gamma_M_lc	42078	73.458 s	28.296 s
optimization_M_scalars	616	48.007 s	16.709 s
lmnn_gradient_step_size	42078	45.162 s	44.603 s
optimization_M_lobpcg	626	31.910 s	29.880 s
...edLinear.performExitflagAndMsgActions	40346	22.527 s	0.687 s
lmnn_gradient	20372	20.481 s	20.240 s
...eneralizedLinear.createExitflagAndMsg	40346	20.277 s	5.149 s



optimoptions	40356	17.910 s	0.410 s
createSolverOptions	40356	17.500 s	3.771 s
SolverOptions>SolverOptions.setProperty	242096	16.537 s	1.531 s
...t>LinprogInteriorPoint.getExitInfo	40346	15.128 s	1.321 s
Linprog>Linprog.Linprog	40356	13.729 s	0.453 s
...ithm>MultiAlgorithm.MultiAlgorithm	40356	13.276 s	0.275 s
...ptions>SolverOptions.SolverOptions	40356	13.001 s	4.569 s
...lizedLinear.getOptionValueAndFeedback	80692	10.926 s	4.296 s
checkfield	242116	10.240 s	3.124 s
...dLinear>GeneralizedLinear.checkRun	40346	9.094 s	0.326 s
...ear>GeneralizedLinear.checkProblem	40346	8.552 s	0.350 s
...rithm>MultiAlgorithm.set.Algorithm	40356	8.422 s	3.761 s
checkfield>prepareStringValue	242116	6.436 s	0.839 s
num2str	80786	5.471 s	1.027 s
prepareOptionsForSolver	40346	5.392 s	0.323 s
checkbounds	80692	5.047 s	5.047 s
...>SolverOptions.setPropertyNoChecks	242116	4.768 s	4.768 s
num2str>handleNumericPrecision	80744	4.442 s	0.307 s
...SolverOptions.extractOptionsStructure	80692	4.437 s	0.648 s
Linprog>Linprog.set.Diagnostics	40346	4.214 s	0.910 s
num2str>convertUsingRecycledSprintf	80744	4.135 s	4.135 s
checkLinearConstraints	40346	3.879 s	0.667 s
...Linprog.extractCustomOptionsStructure	80692	3.789 s	0.531 s
optimget	363114	3.760 s	1.518 s
lmnn_obj	21980	3.557 s	3.086 s
Linprog>Linprog.set.Display	40356	3.430 s	0.649 s
checkBoundConstraints	40346	3.311 s	0.508 s
...gorithm.extractCustomOptionsStructure	80692	3.258 s	1.894 s
Linprog>Linprog.createAlgorithm	40346	3.031 s	1.856 s

+algorithm\private\createCSHLinks	161384	2.882 s	2.882 s
checkfield>isCaseSensitiveField	242116	2.840 s	0.909 s
rmfield	80693	2.789 s	2.789 s
checkfield>deblankString	121058	2.757 s	0.542 s
Linprog>Linprog.set.MaxIter	40346	2.642 s	0.563 s
Linprog>Linprog.set.TolCon	40346	2.632 s	0.603 s
Linprog>Linprog.set.TolFun	40346	2.371 s	0.568 s
...ons>SolverOptions.convertForSolver	40346	2.303 s	2.303 s
optimget>optimgetfast	363114	2.243 s	2.243 s
strip	121058	2.214 s	1.768 s
checkLinearConstraints>i_isSolver	40346	2.020 s	0.235 s
isoptimargdbl	161384	2.004 s	2.004 s
cell.ismember	242116	1.930 s	1.930 s
createProblemStruct	40346	1.785 s	1.785 s
SolverOptions>SolverOptions.isSetByUser	322768	1.741 s	1.741 s
iplp>i_unwrapInternalOptions	40346	1.344 s	0.309 s
+algorithm\private\removeHTMLTags	40346	1.280 s	1.280 s
mean	102122	1.198 s	0.968 s
sub2ind	275280	1.190 s	1.190 s
...rogInteriorPoint.LinprogInteriorPoint	40346	0.964 s	0.831 s
checkLinearObjective	40346	0.875 s	0.412 s
cond	102164	0.836 s	0.836 s
optimization_M_initialization	10	0.632 s	0.632 s
checkfield>stringsType	121058	0.419 s	0.419 s
...Constraints>i_checkConstraintSizes	40346	0.366 s	0.366 s
iplp>i_createOutputStructure	40346	0.366 s	0.366 s
str...te\convertStringToOriginalTextType	121058	0.325 s	0.325 s
Linprog>Linprog.get.TolFun	40346	0.285 s	0.285 s
Linprog>Linprog.get.Display	40366	0.284 s	0.284 s

lmnn_get_variables_ready	10	0.262 s	0.256 s
...nts>i_ensureEmptyConHasCorrectSize	40346	0.241 s	0.241 s
Linprog>Linprog.get.TolCon	40346	0.235 s	0.235 s
...inear>GeneralizedLinear.getNumVars	80692	0.232 s	0.232 s
mean>mysize	102122	0.230 s	0.230 s
...rithm>MultiAlgorithm.get.Algorithm	40346	0.211 s	0.211 s
addpath	5	0.209 s	0.006 s
path	5	0.201 s	0.152 s
Linprog>Linprog.setInternalOptions	40346	0.192 s	0.192 s
checkfield>nonNegReal	80712	0.151 s	0.151 s
...>SolverOptions.mapOptionsForSolver	80692	0.138 s	0.138 s
...t;SolverOptions.replaceSpecialStrings	80692	0.136 s	0.136 s
...t;GeneralizedLinear.GeneralizedLinear	40346	0.133 s	0.133 s
strfun\private\isTextStrict	121058	0.122 s	0.122 s
Linprog>Linprog.checkOptions	40346	0.120 s	0.120 s
...hm>MultiAlgorithm.mapAlgorithmName	40356	0.119 s	0.119 s
checkfield>nonNegInteger	40346	0.111 s	0.111 s
checkLinearConstraints>i_checkRealCoeffs	40346	0.105 s	0.105 s
importdata	1	0.104 s	0.007 s
lmnn_obj>vec	43960	0.083 s	0.083 s
importdata>LocalTextRead	1	0.081 s	0.003 s
importdata>parse	1	0.063 s	0.003 s
general\private\parsedirs	10	0.043 s	0.042 s
importdata>analyze	1	0.039 s	0.002 s
importdata>isvaliddata	1	0.037 s	0.002 s
importdata>maxNotData	1	0.033 s	0.004 s
importdata>isdata	2002	0.029 s	0.029 s
crossvalind	1	0.020 s	0.005 s
importdata>readData	1	0.019 s	0.013 s

rng	13	0.018 s	0.002 s
finfo	1	0.015 s	0.009 s
grp2idx	1	0.013 s	0.001 s
grp2idx	1	0.012 s	0.002 s
unique	11	0.011 s	0.006 s
...tion_M_one_against_one_voting_1_and_2	10	0.008 s	0.004 s
optimization_M_LP_A_setting	10	0.008 s	0.008 s
importdata>fixLineEndings	2	0.007 s	0.007 s
std	30	0.007 s	0.002 s
rng>getCurrentType	13	0.006 s	0.002 s
collectOutput	1	0.006 s	0.001 s
strcat	5	0.006 s	0.006 s
...m.RandStream>RandStream.RandStream	13	0.006 s	0.004 s
var	30	0.005 s	0.004 s
fileread	1	0.004 s	0.004 s
...RandStream>localGetSetGlobalStream	26	0.004 s	0.004 s
...ons>SolverOptions.setAliasProperty	20	0.004 s	0.001 s
Linprog>Linprog.set.OptimalityTolerance	10	0.004 s	0.001 s
unique>uniqueR2012a	10	0.003 s	0.003 s
grp2idx>toString	1	0.003 s	0.002 s
...ization_M_one_against_one_voted_label	10	0.003 s	0.003 s
...dStream>RandStream.setGlobalStream	13	0.003 s	0.000 s
iofun\private\guessdelim	1	0.003 s	0.003 s
finfo>getExtension	1	0.003 s	0.001 s
collectOutput>getTypesLengths	1	0.003 s	0.003 s
RandStream.RandStream>RandStream.subsref	13	0.003 s	0.003 s
fileparts	3	0.002 s	0.002 s
strmatch	1	0.002 s	0.002 s
ops\private\uniquelegacy	1	0.002 s	0.002 s

collectOutput>mergeColumns	1	0.002 s	0.002 s
...dStream>RandStream.getGlobalStream	13	0.002 s	0.000 s
int2str	42	0.002 s	0.002 s
strtok	1	0.002 s	0.001 s
importdata>TrimTrailing	1	0.002 s	0.001 s
RandStream.RandStream>getargs	13	0.002 s	0.002 s
general\private\catdirs	5	0.002 s	0.001 s
importdata>split	1	0.001 s	0.001 s
...tion_M_one_against_one_binary_results	10	0.001 s	0.001 s
strtok>doStrtok	1	0.001 s	0.001 s
Linprog>Linprog.set.ConstraintTolerance	10	0.001 s	0.000 s
optimization_M_oao_vae	10	0.001 s	0.001 s
intmax	2	0.001 s	0.001 s
optimization_M_confusion_matrix_setting	10	0.001 s	0.001 s
RandStream.RandStream>RandStream.algName	13	0.001 s	0.001 s
var>mysize	30	0.001 s	0.001 s
intmin	1	0.001 s	0.001 s
importdata>getLines	2	0.001 s	0.001 s
xlsreadSupportedExtensions	3	0.001 s	0.001 s
RandStream.RandStream>RandStream.delete	13	0.001 s	0.001 s
importdata>LocalRowColShuffle	1	0.001 s	0.001 s
blanks	5	0.001 s	0.001 s
onCleanup>onCleanup.delete	1	0.001 s	0.000 s
Linprog>Linprog.get.MaxTime	20	0.000 s	0.000 s
onCleanup>onCleanup.onCleanup	1	0.000 s	0.000 s
importdata>@(x)(isnan(x))	2	0.000 s	0.000 s
pathsep	15	0.000 s	0.000 s
path>isValidInput	10	0.000 s	0.000 s
filesep	10	0.000 s	0.000 s

ispc	3	0.000 s	0.000 s
finfo>@().warning(avWarnState)	1	0.000 s	0.000 s
optimization_M_oao_oaa_error	10	0.000 s	0.000 s
isdatetime	1	0.000 s	0.000 s
isduration	1	0.000 s	0.000 s
optimization_M_net_error	1	0.000 s	0.000 s

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

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