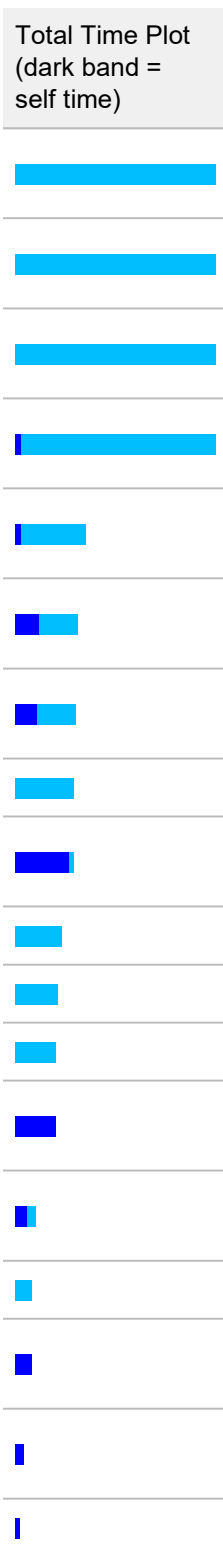


Profile Summary

Generated 13-Jun-2020 16:42:26 using performance time.

Function Name	Calls	Total Time	Self Time*
main_obj_comparison	1	3406.338 s	0.055 s
optimization_M_one_against_one_BCD	10	3405.952 s	0.002 s
...n_M_one_against_one_binary_R_Block_CD	10	3405.950 s	0.037 s
...tion_M_MLjournal_subgraph_1sbb2f_time	10	3405.906 s	86.257 s
...ns_cell_MLjournal_subgraph_FULL_gs_ws	10	1200.953 s	107.908 s
...lock_ns_cell_MLjournal_subgraph_gs_ws	20000	1058.015 s	397.371 s
...ock_ns_cell_MLjournal_subgraph_gs_ws2	20000	1034.892 s	375.189 s
optimization_M_NR	21072	993.249 s	0.370 s
optimization_M_gamma_M_lc	42187	971.002 s	906.286 s
linprog	41037	797.448 s	15.672 s
...riorPoint>LinprogInteriorPoint.run	41037	718.759 s	0.783 s
iplp	41037	694.207 s	1.621 s
optim\private\interiorPointLPmex (MEX-file)	41037	687.197 s	687.197 s
optimization_M_scalars	5387	334.926 s	194.693 s
gurobi_test	35	260.516 s	1.729 s
gurobi (MEX-file)	35	258.785 s	258.785 s
optimization_M_lobpcg	5397	140.847 s	133.559 s
optimization_M_set_step_gradient	42187	64.717 s	64.717 s



optimization_M_set_gradient	23066	34.421 s	34.421 s
...edLinear.performExitflagAndMsgActions	41037	23.769 s	0.730 s
optimization_M_gamma_M_lc_NR	167	21.873 s	8.369 s
...eneralizedLinear.createExitflagAndMsg	41037	21.365 s	5.443 s
optimoptions	41047	20.052 s	0.447 s
createSolverOptions	41047	19.604 s	4.299 s
SolverOptions>SolverOptions.setProperty	246242	17.658 s	1.619 s
optimization_M_set_L_Mahalanobis	23798	17.327 s	17.327 s
...t>LinprogInteriorPoint.getExitInfo	41037	15.922 s	1.385 s
Linprog>Linprog.Linprog	41047	15.306 s	0.486 s
...ithm>MultiAlgorithm.MultiAlgorithm	41047	14.820 s	0.292 s
...ptions>SolverOptions.SolverOptions	41047	14.528 s	5.026 s
optimization_M_set_step_NR	167	13.505 s	13.505 s
...lizedLinear.getOptionValueAndFeedback	82074	11.528 s	4.482 s
checkfield	246262	11.048 s	3.289 s
...dLinear>GeneralizedLinear.checkRun	41037	9.526 s	0.359 s
...rithm>MultiAlgorithm.set.Algorithm	41047	9.490 s	4.087 s
...ear>GeneralizedLinear.checkProblem	41037	8.947 s	0.385 s
checkfield>prepareStringValue	246262	7.007 s	0.905 s
prepareOptionsForSolver	41037	6.871 s	0.390 s
num2str	82178	5.859 s	1.110 s
checkbounds	82074	5.174 s	5.174 s
...>SolverOptions.setPropertyNoChecks	246262	4.994 s	4.994 s
...SolverOptions.extractOptionsStructure	82074	4.970 s	0.764 s
num2str>handleNumericPrecision	82136	4.747 s	0.336 s
num2str>convertUsingRecycledSprintf	82136	4.410 s	4.410 s
mean	343116	4.326 s	3.518 s
Linprog>Linprog.set.Diagnostics	41037	4.320 s	0.918 s
...Linprog.extractCustomOptionsStructure	82074	4.206 s	0.597 s

checkLinearConstraints	41037	4.115 s	0.717 s
optimget	369333	3.837 s	1.545 s
...gorithm.extractCustomOptionsStructure	82074	3.609 s	2.114 s
Linprog>Linprog.set.Display	41047	3.535 s	0.674 s
checkBoundConstraints	41037	3.391 s	0.546 s
Linprog>Linprog.createAlgorithm	41037	3.273 s	2.007 s
optimization_M_gamma_GD	43	3.266 s	0.004 s
...ons>SolverOptions.convertForSolver	41037	3.238 s	3.238 s
checkfield>deblankString	123131	3.112 s	0.582 s
+algorithm\private\createCSHLinks	164148	3.009 s	3.009 s
checkfield>isCaseSensitiveField	246262	2.989 s	0.951 s
cond	343393	2.965 s	2.965 s
rmfield	82075	2.943 s	2.943 s
Linprog>Linprog.set.TolCon	41037	2.770 s	0.629 s
Linprog>Linprog.set.MaxIter	41037	2.695 s	0.577 s
strip	123131	2.530 s	2.023 s
Linprog>Linprog.set.TolFun	41037	2.450 s	0.596 s
optimget>optimgetfast	369333	2.292 s	2.292 s
isoptimargdbl	164148	2.165 s	2.165 s
checkLinearConstraints>i_isSolver	41037	2.141 s	0.277 s
cell.ismember	246262	2.038 s	2.038 s
SolverOptions>SolverOptions.isSetByUser	328296	1.873 s	1.873 s
createProblemStruct	41037	1.863 s	1.863 s
iplp>i_unwrapInternalOptions	41037	1.400 s	0.341 s
+algorithm\private\removeHTMLTags	41037	1.378 s	1.378 s
...rogInteriorPoint.LinprogInteriorPoint	41037	1.036 s	0.889 s
checkLinearObjective	41037	0.902 s	0.430 s
mean>mysize	343116	0.807 s	0.807 s
optimization_M_initialization	10	0.618 s	0.618 s

checkfield>stringsType	123131	0.459 s	0.459 s
...Constraints>i_checkConstraintSizes	41037	0.391 s	0.391 s
iplp>i_createOutputStructure	41037	0.378 s	0.378 s
str...te\convertStringToOriginalTextType	123131	0.372 s	0.372 s
Linprog>Linprog.get.Display	41072	0.297 s	0.297 s
Linprog>Linprog.get.TolFun	41037	0.294 s	0.294 s
...inear>GeneralizedLinear.getNumVars	82074	0.254 s	0.254 s
...nts>i_ensureEmptyConHasCorrectSize	41037	0.250 s	0.250 s
Linprog>Linprog.get.TolCon	41037	0.238 s	0.238 s
...rithm>MultiAlgorithm.get.Algorithm	41037	0.230 s	0.230 s
Linprog>Linprog.setInternalOptions	41037	0.205 s	0.205 s
addpath	4	0.176 s	0.005 s
checkfield>nonNegReal	82094	0.171 s	0.171 s
path	4	0.169 s	0.130 s
...t;SolverOptions.replaceSpecialStrings	82074	0.149 s	0.149 s
...t;GeneralizedLinear.GeneralizedLinear	41037	0.146 s	0.146 s
...>SolverOptions.mapOptionsForSolver	82074	0.142 s	0.142 s
strfun\private\isTextStrict	123131	0.135 s	0.135 s
checkfield>nonNegInteger	41037	0.122 s	0.122 s
...hm>MultiAlgorithm.mapAlgorithmName	41047	0.121 s	0.121 s
checkLinearConstraints>i_checkRealCoeffs	41037	0.121 s	0.121 s
Linprog>Linprog.checkOptions	41037	0.119 s	0.119 s
importdata	1	0.106 s	0.007 s
importdata>LocalTextRead	1	0.083 s	0.003 s
importdata>parse	1	0.065 s	0.003 s
importdata>analyze	1	0.040 s	0.002 s
importdata>isvaliddata	1	0.038 s	0.002 s
importdata>maxNotData	1	0.033 s	0.004 s
general\private\parsedirs	8	0.033 s	0.033 s

importdata>isdata	2002	0.030 s	0.030 s
crossvalind	1	0.020 s	0.005 s
importdata>readData	1	0.020 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
...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
collectOutput	1	0.007 s	0.001 s
rng>getCurrentType	13	0.006 s	0.002 s
unique	1	0.006 s	0.004 s
...m.RandStream>RandStream.RandStream	13	0.006 s	0.004 s
strcat	4	0.006 s	0.005 s
var	30	0.005 s	0.004 s
fileread	1	0.005 s	0.005 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
...ization_M_one_against_one_voted_label	10	0.003 s	0.003 s
grp2idx>toString	1	0.003 s	0.002 s
finfo>getExtension	1	0.003 s	0.001 s
...dStream>RandStream.setGlobalStream	13	0.003 s	0.000 s
iofun\private\guessdelim	1	0.003 s	0.003 s
collectOutput>getTypesLengths	1	0.003 s	0.003 s
fileparts	3	0.003 s	0.002 s
optimization_M_cy	10	0.003 s	0.003 s

RandStream.RandStream>RandStream.subsref	13	0.003 s	0.003 s
collectOutput>mergeColumns	1	0.002 s	0.002 s
strmatch	1	0.002 s	0.002 s
ops\private\uniquelegacy	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	4	0.001 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
Linprog>Linprog.get.MaxTime	35	0.001 s	0.001 s
blanks	4	0.000 s	0.000 s
onCleanup>onCleanup.delete	1	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

path>isValidInput	8	0.000 s	0.000 s
pathsep	12	0.000 s	0.000 s
ispc	3	0.000 s	0.000 s
filesep	8	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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