Label
aLabel(Integer, String)
atoString() String
name String
id Integer
Instance
aFrequency Map<Label, Integer>
aFinalLabel Label
aInstance()
getFrequency() Map<Label, Integer>
aupdateFrequency(Label) void
aupdateFrequency(Label,List)List<Label>) void
adetermineFinalLabel() void
anoOfLabelAssignments() Integer
anoOfUniqueLabelAssignments() Integer
amostFrequentLabel() Entry<Label, Double>
alabelPercentage() HashMap<Label, Double>
aentropy() Double
isLabelled() boolean
atoString() String
getFinalLabel() Label
instance String
id Int
User
aFrequency Map<Label, Integer>
atimeSpendings List<Double>
aUser(Integer, String, String, double)
aaddDatasetID(Integer) void
aaddFrequency(Label,Label) void
agetRandomLabelledInstance() Instance
aaddFrequency(Label,List)List<Label>) void
aaddTimeSpending(double) void
areliableAreaforLabelledInstance(List<Label>, int) AssignedInstance
aassignLabel(Instance, List<Label>, int) AssignedInstance
aaddInstance(Instance) void
ahasLabelledInstance() boolean
apickLabel(List<Label>, int) List<Label>
name String
consistencyCheckProbability double
type String
dataseting List<Integer>
standardDeviation Double
uniqueInstances List<Instance>
instances List<Instance>
numberOfDatasets Integer
id Integer
averageTimeSpending Double
«create»
Logger
logFile String
instance Logger
aLogger()
agetInstance() Logger
agetCurrentTime() String
alogUserCreation(User) void
alogLabelAssignment(AssignedInstance) void
alog(String) void
aaddLogToFile(String) void
aclearLogFile() void
RandomLabellingUser
RandomLabellingUser(Integer, String, String, double)
pickLabel(List<Label>, int) List<Label>
DataSet
aDataSet()
aaddUsers(List<User>) void
anoOfUsersAssignedToThisDataset() int
atoString() String
name String
labels List<Label>
maxNumberLabels int
instances List<Instance>
uniqueInstancesForLabels Map<Label, Integer>
classDistributionsBasedOnFinalInstanceLabels Map<Label, Double>
users List<User>
id Integer
completeness Double
AssignedInstance
date Date
AssignedInstance(User, Instance, List<Label>, Date)
toJson() JsonObject
toString() String
labels List<Label>
instance Instance
user User
Parser
fileName String
Parser(String)
parse() Object
«create»
InputParser
InputParser(String)
parse() DataSet
«create»
ConfigSet
datasets List<DataSet>
ConfigSet(List<DataSet>, Integer)
currentDatasetId Integer
users List<User>
currentDataset DataSet
«create»
Cache
Cache(List<DataSet>, List<AssignedInstance>, List<User>, List<Instance>)
Cache()
assignedInstances List<AssignedInstance>
instances List<Instance>
users List<User>
datasets List<DataSet>
«create»
OutputWriter
fileName String
OutputWriter(String)
writeList<AssignedInstance>, DataSet, List<User>) void
MetricController
noOfUniqueUsersForInstance(List<AssignedInstance>, Instance) Integer
getConsistencyPercentage(List<AssignedInstance>, User) Double
listUsersDatasetWithCompletenessPercentage(List<DataSet>, User) Map<DataSet, Double>
getCompletenessPercentage(DataSet, User, List<AssignedInstances>) Double
getDatasetsFromIDS(List<Integer>, List<DataSet>) List<DataSet>
getUniqueInstancesForUser(User, List<AssignedInstance>) List<Instance>
getUsersWithCompletenessPercentageForDataset(DataSet, List<AssignedInstance>) Map<User, Double>
getListOfUsersWithConsistencyPercentage(List<AssignedInstance>, DataSet) Map<User, Double>
«create»
InputParser
InputParser(String)
parse() DataSet
«create»
ConfigSetParser
users List<User>
datasets List<DataSet>
deserialize(JsonElement, Type, JsonDeserializationContext) ConfigSet
parseUsers(JsonArray) List<User>
parseDatasets(JsonArray) List<DataSet>
getUserIds(JsonArray) List<Integer>
getUsersFromIds(List<Integer>) List<User>
getUserFromId(Integer) User
«create»
CacheManager
cachedFilePath String
CacheManager(String)
readCache() Cache
saveCache(Cache) void
«create»
ReportWriter
metricController MetricController
reportName String
gson Gson
ReportWriter(String)
UserMetrics(User, List<DataSet>, List<AssignedInstance>) JsonObject
InstanceMetrics(Instance, List<AssignedInstance>) JsonObject
DatasetMetrics(DataSet, List<AssignedInstance>) JsonObject
WriteList<DataSet>, List<User>, List<Instance>, List<AssignedInstance>) void
«create»
ConfigParser
ConfigParser(String)
parse() ConfigSet
LabellingMechanism
configSet ConfigSet
reportWriter ReportWriter
outputWriter OutputWriter
cacheManager CacheManager
simulationDataSets List<DataSet>
simulationAssignedInstances List<AssignedInstance>
simulationUsers List<User>
simulationInstances List<Instance>
LabellingMechanism(ConfigSet, ReportWriter, CacheManager, OutputWriter)
startLabeling() void
contains(DataSet) boolean
contains(Instance) boolean
contains(User) boolean
getCachedUser(User) User
«create»
«create»
«create»
«create»
«create»
Main
main(String[]) void