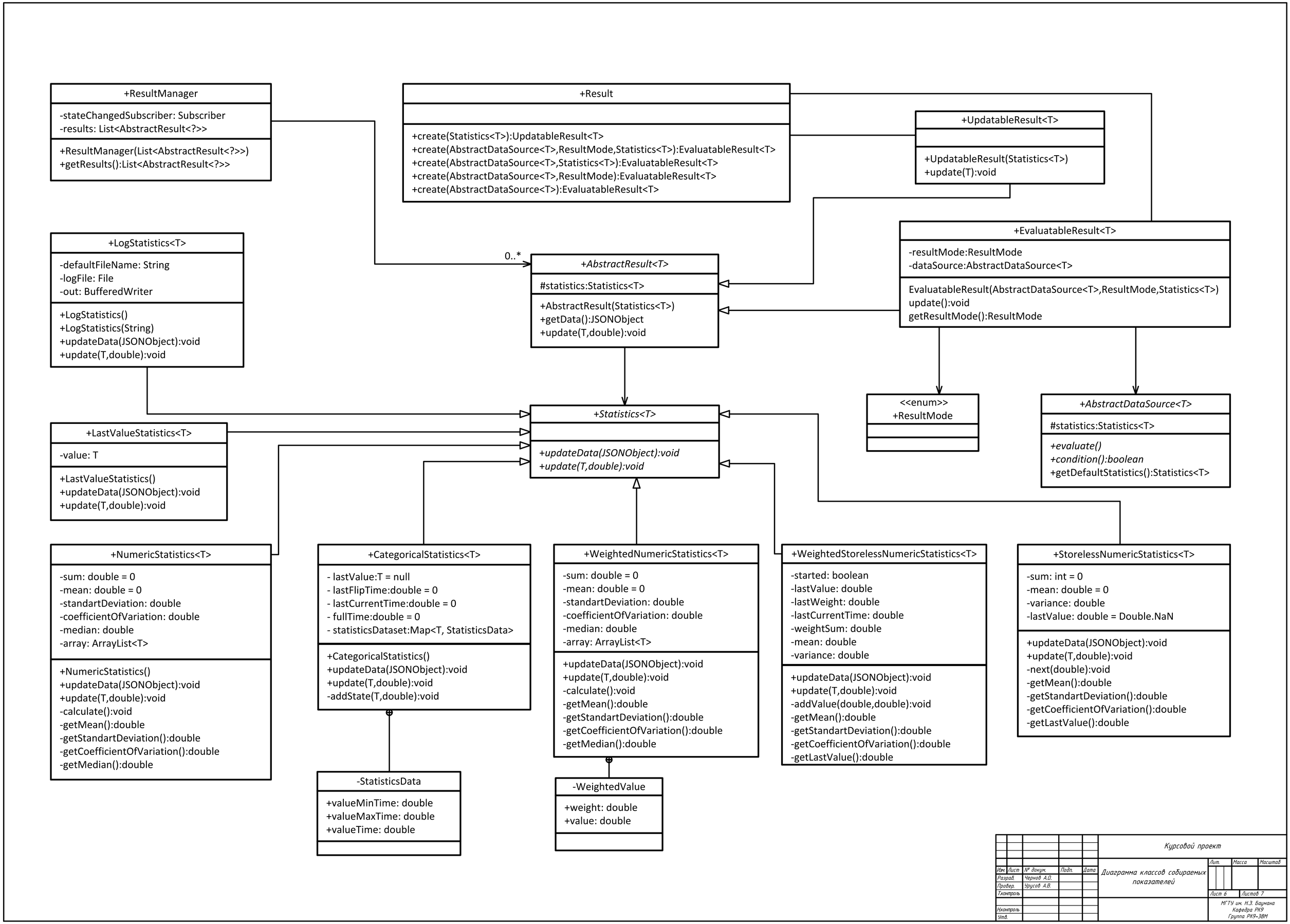
+ResultManager
-stateChangedSubscriber: Subscriber
-results: List<AbstractResult<?>>
+ResultManager(List<AbstractResult<?>>)
+getResults():List<AbstractResult<?>>
+Result
+create(Statistics<T>):UpdatableResult<T>
+create(AbstractDataSource<T>,ResultMode,Statistics<T>):EvaluatableResult<T>
+create(AbstractDataSource<T>,Statistics<T>):EvaluatableResult<T>
+create(AbstractDataSource<T>,ResultMode):EvaluatableResult<T>
+create(AbstractDataSource<T>):EvaluatableResult<T>
+UpdatableResult<T>
+UpdatableResult(Statistics<T>)
+update(T):void
+LogStatistics<T>
-defaultFileName: String
-logFile: File
-out: BufferedWriter
+LogStatistics()
+LogStatistics(String)
+updateData(JSONObject):void
+update(T,double):void
0..*
+AbstractResult<T>
#statistics:Statistics<T>
+AbstractResult(Statistics<T>)
+getData():JSONObject
+update(T,double):void
+EvaluatableResult<T>
-resultMode:ResultMode
-dataSource:AbstractDataSource<T>
EvaluatableResult(AbstractDataSource<T>,ResultMode,Statistics<T>)
update():void
getResultMode():ResultMode
<<enum>>
+ResultMode
+AbstractDataSource<T>
#statistics:Statistics<T>
+evaluate()
+condition():boolean
+getDefaultStatistics():Statistics<T>
+Statistics<T>
+updateData(JSONObject):void
+update(T,double):void
+LastValueStatistics<T>
-value: T
+LastValueStatistics()
+updateData(JSONObject):void
+update(T,double):void
+NumericStatistics<T>
-sum: double = 0
-mean: double = 0
-standartDeviation: double
-coefficientOfVariation: double
-median: double
-array: ArrayList<T>
+NumericStatistics()
+updateData(JSONObject):void
+update(T,double):void
-calculate():void
-getMean():double
-getStandartDeviation():double
-getCoefficientOfVariation():double
-getMedian():double
+CategoricalStatistics<T>
- lastValue:T = null
- lastFlipTime:double = 0
- lastCurrentTime:double = 0
- fullTime:double = 0
- statisticsDataset:Map<T, StatisticsData>
+CategoricalStatistics()
+updateData(JSONObject):void
+update(T,double):void
-addState(T,double):void
-StatisticsData
+valueMinTime: double
+valueMaxTime: double
+valueTime: double
+WeightedNumericStatistics<T>
-sum: double = 0
-mean: double = 0
-standartDeviation: double
-coefficientOfVariation: double
-median: double
-array: ArrayList<T>
+updateData(JSONObject):void
+update(T,double):void
-calculate():void
-getMean():double
-getStandartDeviation():double
-getCoefficientOfVariation():double
-getMedian():double
-WeightedValue
+weight: double
+value: double
+WeightedStorelessNumericStatistics<T>
-started: boolean
-lastValue: double
-lastWeight: double
-lastCurrentTime: double
-weightSum: double
-mean: double
-variance: double
+updateData(JSONObject):void
+update(T,double):void
-addValue(double,double):void
-getMean():double
-getStandartDeviation():double
-getCoefficientOfVariation():double
-getLastValue():double
+StorelessNumericStatistics<T>
-sum: int = 0
-mean: double = 0
-variance: double
-lastValue: double = Double.NaN
+updateData(JSONObject):void
+update(T,double):void
-next(double):void
-getMean():double
-getStandartDeviation():double
-getCoefficientOfVariation():double
-getLastValue():double
Курсовой проект
Изм. Лист № докум. Подп. Дата
Разраб. Чернов А.О.
Провер. Чрусов А.В.
Т.контроль
Н.контроль
Утв.
Диаграмма классов собираемых показателей
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Лист 6 Листов 7
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