DescriptiveStat
data: ArrayList<Double> data_array: double[] name: String
getData(): ArrayList<Double> setData(ArrayList<Double> data): void getName(): String setName(String name): void mean(): double standardDeviation(): double sampleSize(): double populationVariance(): double populationStandardDeviation(): double information(): String findzTable(double z): double findtTable(double alpha, int degreesOfFreedom, boolean twoTail) : double

HypothesisTest
a: double avg: double var: double n: int hypo: double xbar: double pValue: double direct: String
getAlpha(): double getVar(): double getXbar(): double getNum(): int setAlpha(double alpha): void setVar(double var): void setNum(int num): void setXbar(double xbar) : void setNullHypo(double hypo, String direct) : void calculatePValue(): void calculatePValue(): double analysis(double t) : void tAnalysis(double t) : void instruction(): void instruction1(): void instruction2(): void instruction3(): void

LinearRegression
b0: double b1: double alpha: double sumX: double xVar: double xValues: double[ ] xName: String
calculateParameters(): void simpleLinearRegression(): String predict(double x): double linearRegressionExplain(): String simpleLinearRegressionExplain(): String calculateSSE(): double calculateSST(): double calculateSSR(): double calculateRSquared(): double calculateCorrelationCoeff(): double coefficientDetermination(): String coefficientDeterminationExplain(): String testSlopeVarianceKnown(): String testSlopeVarianceKnownExplain(): String testSlopeVarianceUnknown(): String testSlopeVarianceUnknownExplain(): String confidenceIntervalVarKnown(double xOld) : String confidenceIntervalVarKnownExplain(): String confidenceIntervalVarUnknown(double xOld) : String confidenceIntervalVarUnknownExplain(): String predictionIntervalVarUnknown(double xNew) : String

ANOVA	
blocks: double[][] treatments: double[][] a: double data: ArrayList<Double>	
generateBlocks(double[][] treatments): double[][] getData1(): ArrayList<Double> getAlpha(): double setAlpha(double alpha): void gettreatments(): double[][] setTreatments(double[][] groups): void getBlocks(): double[][] flatten(double[][] arrays): double[] overallMean(): double totalSumOfSquares(): double betweenTreatmentsSumOfSquaresofCRD(): double mean(double[] array) : double betweenTreatmentsSumOfSquaresofRBD(): double betweenBlockSumOfSquares(): double errorSumOfSquaresofRBD(): double errorSumOfSquaresofCRD(): double calculateDFTRofCRD(): int calculateDFEofCRD(): int calculateDFBLofRBD(): int calculateDFTRofRBD(): int calculateDFEofRBD(): int calculateDFTotalofRBD(): int calculateMSTRofCRD(): double	calculateMSEofCRD(): double calculateMSBLofRBD(): double calculateMSTRofRBD(): double calculateMSEofRBD(): double calculateFValueofCRD(): double calculateFValueofRBD(): double printCRDTable(): void printRBDTable(): void explainANOVA(): String explainRBD(): String explainCRD(): String ftable01(): void ftable005(): void ftable001(): void instruction1(): void instruction2(): void instruction3(): void instruction4(): void instruction5(): void conclusion(): void instruction6(): void instruction7(): void instruction8(): void