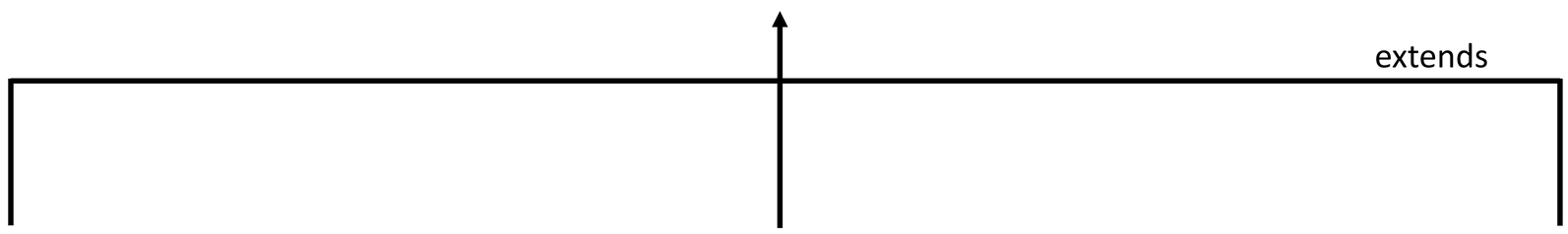
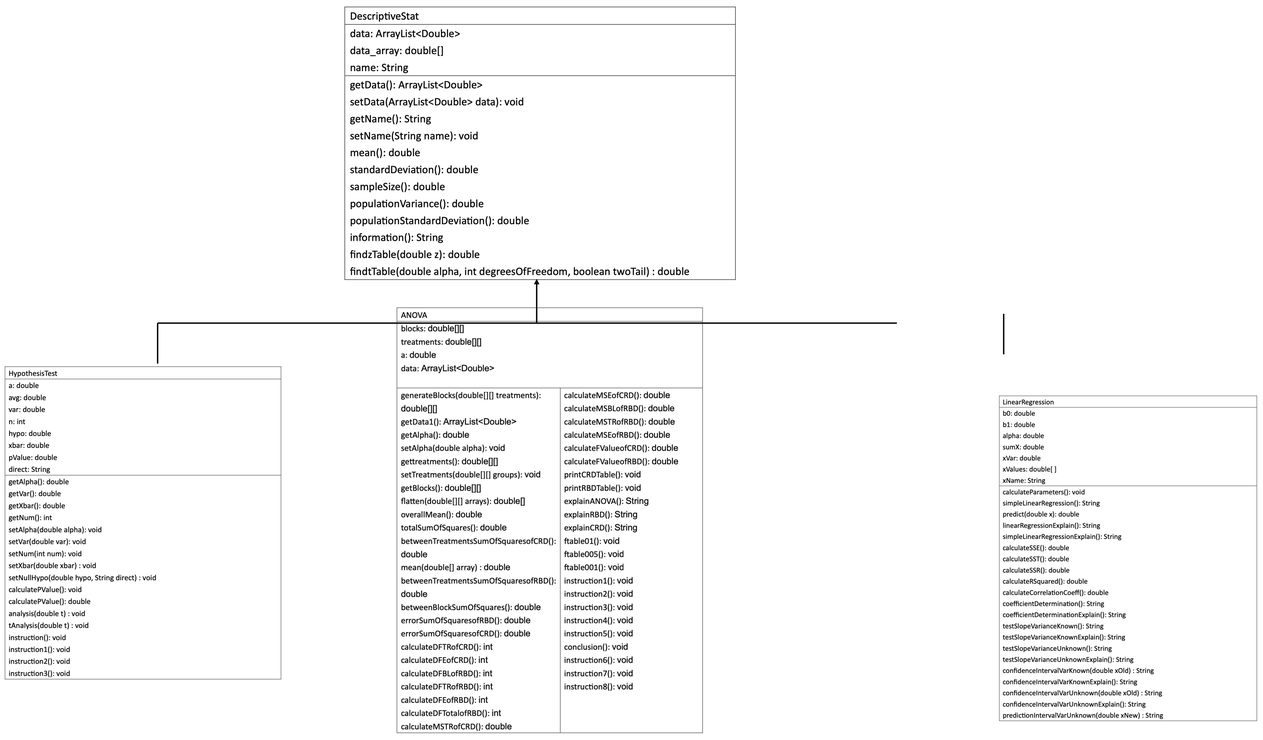
DescriptiveStat
data: ArrayList<Double> data_array: double[] name: String
getData(): ArrayList<Double> setData(ArrayList<Double> data): void getName(): String setName(String name): void mean(): double standardDeviation(): double sampleSize(): double populationVariance(): double populationStandardDeviation():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



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

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

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


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
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
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