**Calculator Object**

* Properties(Calculation.js)
  + Result
* Methods(Calculator.js)
  + sum
    - calls static sum method from math operations
  + difference
    - calls static difference method from math operations
  + product
    - Calls static product method from math operations
  + quotient
    - Calls static quotient method from math operations
  + exponentiation
    - Calls static power method from math operations
  + root
    - Call static root method from math operations
* Math operations(MathOperation.js)
  + sum
    - Static method that adds numbers
  + difference
    - Static method that subtracts numbers
  + product
    - Static method that multiplies numbers
  + quotient
    - Static method that divides numbers
  + power
    - Static method that raises a number to another number
  + root
    - Static method that takes a root of a number

**Random Generator Class**

* Methods
  + RandomDecimal
    - Generate a random number without a seed between a range of two numbers - Both Decimal
  + RandomInteger
    - Generate a random number without a seed between a range of two numbers - Both Integer
  + SeededRndomDecimal
    - Generate a random number with a seed between a range of two numbers - Both Decimal
  + SeededRandomInteger
    - Generate a random number with a seed between a range of two numbers - Both Integer
  + SeededRandomListDecimal
    - Generate a list of N random numbers with a seed and between a range of numbers - Both Decimal
  + SeededRandomListInteger
    - Generate a list of N random numbers with a seed and between a range of numbers - Both Integer
  + RandomOneSelection
    - Select a random item from a list
  + SeededRandomOneSelection
    - Set a seed and randomly select the same value from a list
  + RandomNultiSelection
    - Select N number of items from a list without a seed
  + SeededRandomMultiSelection
    - Select N number of items from a list with a seed

**Descriptive Statistics Class**

* Methods
  + Mean
  + Median
  + Mode
  + Variance
  + StandardDeviation
  + Quartiles
    - Return the first quartiles and third quartiles in a list
  + Skewness
  + SampleCorrelationCoefficient
  + PopulationCorrelationCoefficient
  + ZScore
  + MeanDeviation

**Sampling Class**

* Methods
  + simpleRandomSample
  + systemeticSample
  + confidenceInterval
    - Confidence Interval for a Sample
  + marginOfError
  + getZScoreFromConfidence
    - How to Find a Confidence Interval
  + Cohran
    - Cochran’s Sample Size Formula
  + sampleSizeNoStdDev
    - How to Find a Sample Size Given a Confidence Interval and Width (unknown population standard deviation)
  + sampleSizeStdDev
    - How to Find a Sample Size Given a Confidence Interval and Width (known population standard deviation)