This Document houses all the screenshots associated with our formulas!

Door Game outputs For the Monti Simulation

A screenshot of a computer screen

AI-generated content may be incorrect.

Outputs for the birthday problem and conditional probability

A screenshot of a test

AI-generated content may be incorrect.

Below we solve Combinations, permutations, geometric/binary distribution and Bayes theorem. These are fully interactive with users and can be used to solve any problem a user wants no matter the size due to BIGINTEGER use.

A screenshot of a computer

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Below we solve the mulligan chances for rare candy and for Pokémon

A screenshot of a computer

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Below we solve the for mean, median, mode and standard deviation. I share the code to show the numbers used in my tester

**/ Test getMean**

**ArrayList<Double> meanList = new ArrayList<>(Arrays.*asList*(10.0, 20.0, 30.0, 40.0, 50.0));**

**System.*out*.println("Mean: " + mathLibrary.getMean(meanList)); // Expected: 30.0**

**// Test getStanderdDeviation**

**System.*out*.println("Standard Deviation: " + mathLibrary.getStanderdDeviation(meanList)); // Test with appropriate values**

**// Test getMode**

**ArrayList<Integer> modeList = new ArrayList<>(Arrays.*asList*(1, 2, 2, 3, 4, 5, 2));**

**System.*out*.println("Mode: " + mathLibrary.getMode(modeList)); // Expected: 2**

**// Test getMedian**

**System.*out*.println("Median: " + mathLibrary.getMedian(meanList)); // Expected: 30.0**

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Finaly, I check all axioms and display the outputs for set operations.

A screenshot of a computer code

AI-generated content may be incorrect.