Gaze Data Generator

FUNCTIONALITY

* Generator creates csv file of gaze data with fixations and saccades according to the given parameters and parameters of the generator can be changed from the “Main” function, as shown below:

static void Main(string[] args)  
        {  
            // Create Generator with following parameters  
            //duration of tracking  
            // minimum fixation time  
            // maximum fixation time  
            // minimum saccade angle  
            // maximum saccade angle  
            // Rate/ frequency   
            // screen resolution horizontal in pixels  
            // screen resolution vertical in pixels  
            // distance between participant and screen  
            // display size in cm  
            Generator SampleDataGenerator = new Generator(3,100,250,300,500,50,1024,768,60,53.34f);  
            string filename = SampleDataGenerator.GenerateSampleData();// this will generate csv  
            Console.Write("File: "+ filename+" created.");  
        }

* File named “SampleData.csv” will be generated in the project folder.

USAGE:

* Generator script is written in C#
* Use Visual studio or online C# compiler(<https://www.onlinegdb.com/online_csharp_compiler>) to run the code.
* For Visual Studio open the .sln file and run it.
* For online compiler copy and paste the code in “Program.cs” on to the online compiler and run it.