

## SimulationResult.java

```
1 //*****
2 //
3 // File:    SimulationResult.java
4 // Package: ---
5 // Unit:    Class SimulationResult
6 //
7 //*****
8
9
10 /**
11  * Class SimulationResult is designed to be just a data container for recording
12  * the results of running <I>n</I> simulations given a number of vertices
13  * <I>v</I> and an edge probability <I>p</I>.
14  *
15  * @author Jimi Ford
16  * @version 2-15-2015
17  */
18 public class SimulationResult {
19
20     /**
21      * The average distance between each pair of vertices in <I>n</I> graphs
22      */
23     public final double averageDistance;
24
25     /**
26      * The edge probability used in these <I>n</I> simulations
27      */
28     public final double p;
29
30     /**
31      * The number of vertices in each graph
32      */
33     public final int v;
34
35     /**
36      * Construct a simulation result in order to store the outcome of
37      * a certain number of graphs generated with the given number of
38      * vertices and edge probability.
39      *
40      * @param v number of vertices
41      * @param p edge probability used
42      * @param averageDistance the resulting average distance measured
43      */
44     public SimulationResult(int v, double p, double averageDistance) {
45         this.averageDistance = averageDistance;
46         this.v = v;
47         this.p = p;
48     }
49
50 }
51
```