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Epinions Data Report

PURPOSE: The purpose of this program is to take a csv file with 3 columns, 2 indicating a reviewer and reviewee relationship and the third column indicated if there was trust in the review. We can analyze the triadic closures and see how reviewers reviews are seen and if they are trusted.

INPUT: A csv file, with the specific requirements above, is fed into the program to analyze

```
0,1,-1
2,3,1
4,5,-1
5,8,-1
5,20,1
5,50,1
5,52,1
5,79,-1
20,23,-1
20,25,1
```

Here is a small example of a csv file formatted correctly, where the columns are the reviewer, reviewee, and trust respectively.

OUTPUT:

```
Type in Filename: epinions96.csv
Edges in network: 96
Self-loops: 0
Edges used - TotEdges: 96
Trust edges: 68         Probability p: 0.71
Distrust edges: 28      Probability 1 - p: 0.29
Triangles: 27

Expected Distribution *      Actual Distribution
Type percent number          Type percent number
TTT  35.5  9.6                  TTT     74.07   20
TTD  43.9  11.9                 TTD     11.11   3
TDD  18.1  4.9                  TDD     11.11   3
DDD  2.5  0.7                   DDD     3.70    1
Total: 100  27.0                    Total:    100     27
```

The program outputs an analysis of the data telling you how many triangles, trust edges, and different types of closures there are.

WHAT THE PROGRAM DOES: Helps us understand the interaction between reviewers and certain reviewers can be tested for their strength in triadic closures to deem them reliable.