

Nick Fichera

Program Outputs

STATS LIBRARY

UniformDistTester.java

```
5/30
```

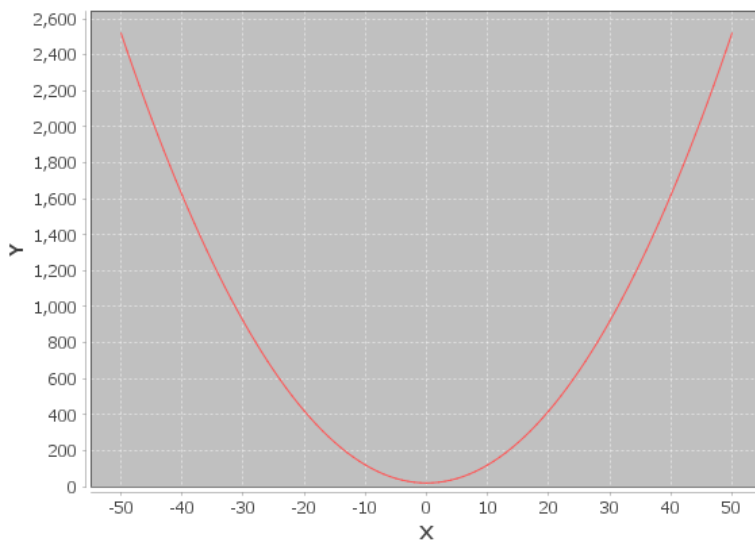
PTableTester.java

```
1.0 2.0 1.0
2.0 2.0 0.0
1.0 0.0 0.0

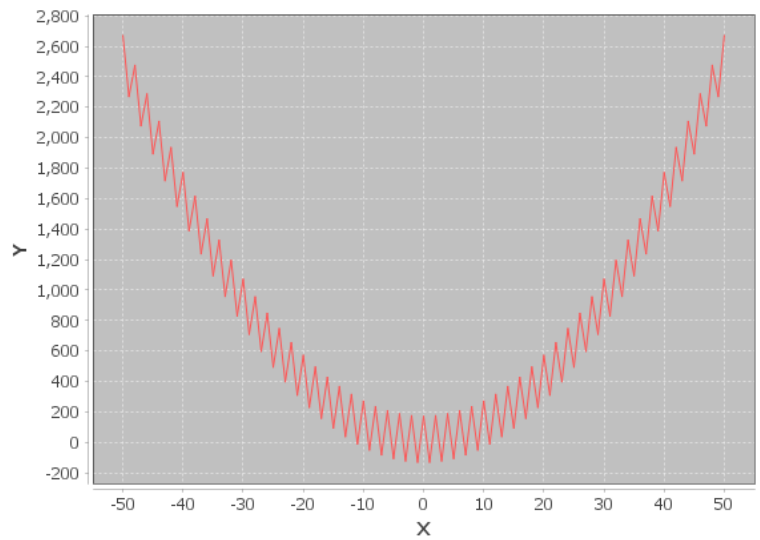
4.0
1.0
```

JFREECHART

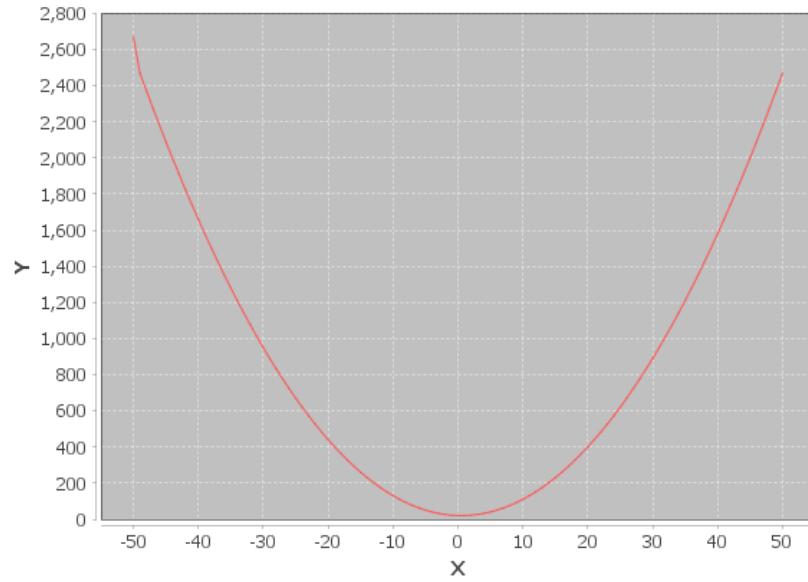
Function



Salted Function

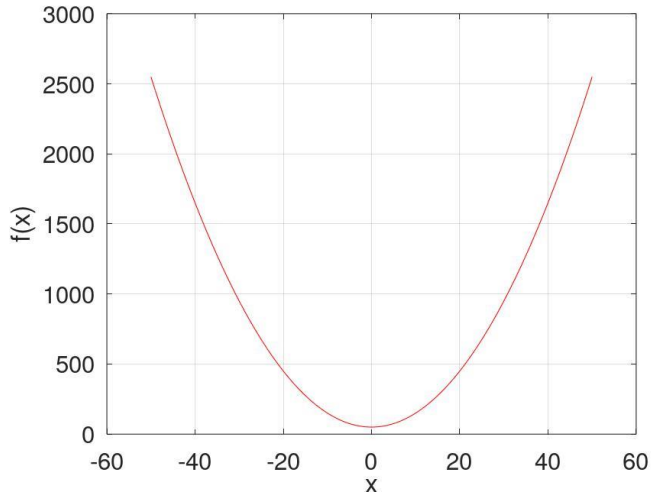


Smooth Function

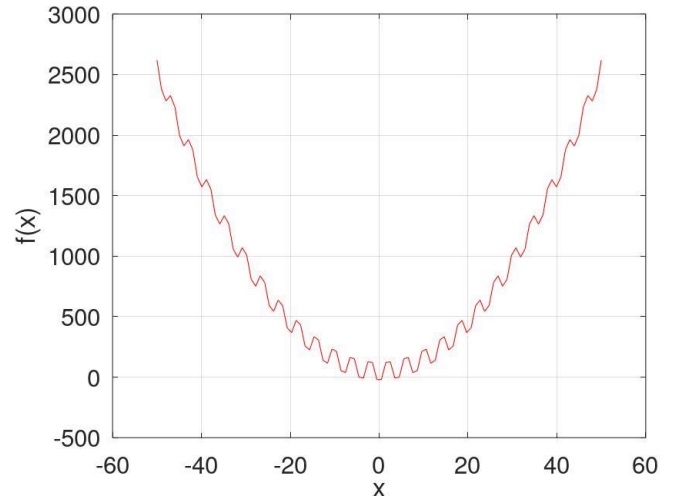


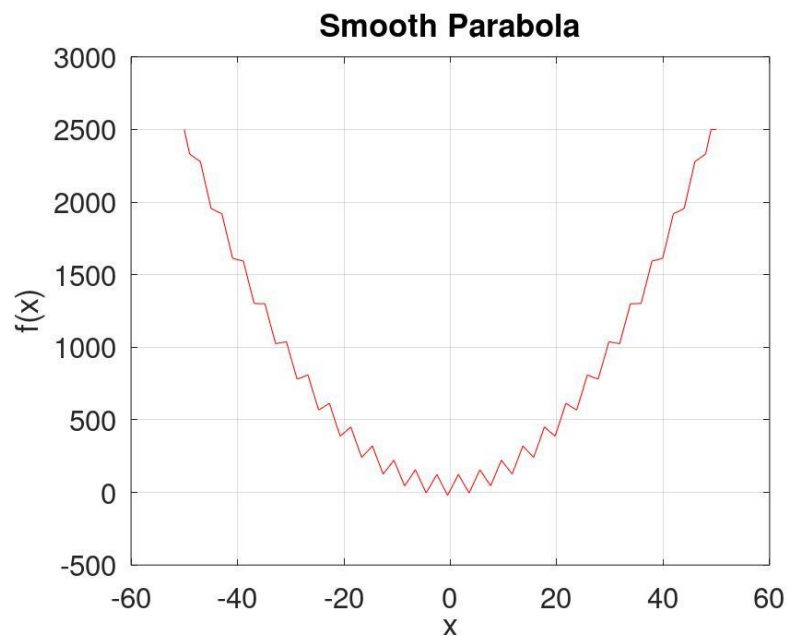
OCTAVE

Parabola



Salted Parabola





POKER

```
Probability of each type of win from pair - royal flush:
[0.50241, 0.42114, 0.04836, 0.02276, 0.00332, 0.00201, 0.00139, 2.6E-4, 0.0, 0.0]

2 random cards drawn:
P1: [Heart | 4, Heart | 6, Spade | 8, Heart | 9, Spade | 10]
P2: [Heart | 5, Spade | 7, Diamond | 12, Spade | 13, Heart | 13]

P1 outcome: [10, 0, 0, 0, 0, 0, 0, 0, 0, 0]
P2 outcome: [13, 1, 0, 0, 0, 0, 0, 0, 0, 0]

WINNER: P2, Pair
-----
YOU: [Heart | 2, Heart | 3, Heart | 4, Heart | 5, Heart | 6]
CPU: [Club | 3, Spade | 3, Spade | 4, Heart | 7, Heart | 10]

YOUR outcome: [6, 0, 0, 0, 1, 1, 0, 0, 1, 0]
CPU outcome: [10, 1, 0, 0, 0, 0, 0, 0, 0, 0]

WINNER: P1, Straight flush
```