Farkle Game

Parts:

Neural Network (R)

Farkle game (Python)

Statistical analysis. (Random game, Average game, Optimal game, Stop-After-First-Go-Game)

Farkle AI player, Statistical best player, (risk benefit analysis) (Graph decisions)

6^6 = 46656 possible combinations from first roll

6^5 = 7776 possible combinations from second roll

6^4 = 1296

6^3 = 216

6^2 = 36

6^1 = 6

Total combinations: 55,986 possible combinations.