

Prakhar Saxena

Professor Popyack

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Assignment 4

Part 1

Please check the Excel file and the ipynb python notebook.

Part 2

For the part 2 of our assignment. The entire purpose of devising a plan is to minimise the long-term house advantage of the dealer.

The way I made my decisions were, simple. If I have a low hand, hit. If my hand score approaches higher numbers starting from 12; then it depends on what card the dealer has up. If the dealer has a high card up, then I can risk hitting, because probability of me getting a high card making me go bust is relatively lower.