



PROJECT

Build a Game-Playing Agent

A part of the Artificial Intelligence Nanodegree and Specializations Program

PROJECT REVIEW

CODE REVIEW

NOTES

SHARE YOUR ACCOMPLISHMENT!  

Meets Specifications

Your work shows that you have now good understanding on algorithms and heuristics.
Congratulations on completing the project. 🎉

Game Playing Agent

The minimax and alphabeta functions pass all test cases.

```
*****
                        Test Result Summary
*****

1. Test output interface of MinimaxPlayer.minimax(): .
2. Test functionality of MinimaxPlayer.minimax(): .
3. Test that minimax() raises SearchTimeout when the timer expires: .
4. Test that MinimaxPlayer successfully plays a full game: .
5. Test interface of AlphaBetaPlayer.alphabeta(): .
6. Test the interface of AlphaBetaPlayer.get_move(): .
7. Test functionality of AlphaBetaPlayer.alphabeta(): .
8. Test that alphabeta() raises SearchTimeout when the timer expires: .
9. Test iterative deepening in AlphaBetaPlayer.get_move(): .
10. Test that AlphaBetaPlayer successfully plays a full game: .
11. Test output interface of custom_score(): .
12. Test output interface of custom_score_2(): .
13. Test output interface of custom_score_3(): .

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. - Test Passed    F - Test Failed    E - Error
```

Submission Includes All Files

All required file included.

```
*****
                        Test Result Summary
*****

14. Submission includes heuristic_analysis.pdf: .
15. Submission includes research_review.pdf: .
```

. - Test Passed F - Test Failed E - Error

Heuristic Analysis

At least three evaluation functions are implemented and analyzed.

Four evaluation functions are implemented and analyzed. Good experiment.

A brief report lists (using a table and any appropriate visualizations) and verbally describes the performance of agents using the implemented evaluation functions. Performance data includes results from tournament.py comparing (at a minimum) the best performing student heuristic against the ID_Improved agent.

You have gone ahead to calculate the mean and standard deviation of the matches from each experiment. ↗

The report makes a recommendation about which evaluation function should be used and justifies the recommendation with at least three reasons supported by the data.

Paper Summary

The write up is approximately 1 page (500 words) and includes a summary of the paper (including new techniques introduced), and the key results (if any) that were achieved.

It's good practice to mention reference in research paper.

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