UDACITY

PROJECT

Implement a Planning Search

A part of the Artificial Intelligence Nanodegree and Specializations Program

PROJECT REVIEW

CODE REVIEW 3

NOTES

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Requires Changes

1 SPECIFICATION REQUIRES CHANGES

Great effort, the project needs a little bit of fine tuning. I have provided some required changes and suggestion that you can refer, to improve the project. As you work through your resubmission, I implore you take advantage of the extremely welcoming Udacity community. We all have a vested interest in each other's success in advancing through this program so don't be hesitant to ask for help if you need it. Stay Udacious

Planning Problem Representation

The problems and class methods in the `my_air_cargo_problems.py` module are correctly represented.

Correct!

An optimal sequence of actions is identified for each problem in the written report.

Please state the optimal sequence of actions identified in the heuristic analysis report.

Automated Heuristics

Automated heuristics "ignore-preconditions" and "level-sum" (planning graph) are correctly implemented.

Correct!

Performance Comparison

At least three uninformed planning algorithms (including breadth- and depth-first search) are compared on all three problems, and at least two automatic heuristics are used with A* search for planning on all three problems including "ignore-preconditions" and "level-sum" from the Planning Graph.

Great job, the three uninformed planning algorithms breadth-first, depth-first, and uniform-cost and A* search with the two automatic heuristics have been compared perfectly on all three problems with the help of a table . Nice to see that you have compared and analyzed the performance on the basis of optimality and efficiency

A brief report lists (using a table and any appropriate visualizations) and verbally describes the performance of the algorithms on the problems compared, including the optimality of the solutions, time elapsed, and the number of node expansions required.

Apt critical reasoning provided for the comparison. Excellent work!

The report explains the reason for the observed results using at least one appropriate justification from the video lessons or from outside resources (e.g., Norvig and Russell's textbook).

Research Review

The report includes a summary of at least three key developments in the field of AI planning and search.

Excellent work! The research review is very clear and thoughtfully written.

RESUBMIT

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3 CODE REVIEW COMMENTS ›

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