UDACITY

PROJECT

Implement a Planning Search

A part of the Artificial Intelligence Program

PROJECT REVIEW

CODE REVIEW 1

NOTES

SHARE YOUR ACCOMPLISHMENT!

Requires Changes

1 SPECIFICATION REQUIRES CHANGES

Great work on your project !! It was really a great experience reviewing your project. Just make the suggested change and you will be done. Hope this project will be a great learning experience for you. All the best

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.

In your heuristic analysis report, you need to list the optimal sequence of actions for each problem.

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.

Good work on implementing the planning algorithms and automatic heuristics.

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.

Good work on report !! It will be much better if you can showcase the results of your algorithms and heuristics using some visualisations (bar plots, factor plots etc).

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).

Good analysis 👌 Good job citing the sources of your claims.

Reference:

- Stuart J. Russel, Peter Norvig (2010), Artificial Intelligence: A Modern Approach (3rd edition)

Research Review

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

Good summary on `STRIPS` `GRAPHPLAN` and `HSP`

RESUBMIT

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1 CODE REVIEW COMMENTS ›