



PROJECT

Translate Python to C++

A part of the Intro to Self-Driving Cars Program

PROJECT REVIEW

CODE REVIEW 3

NOTES

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Meets Specifications

Correctness

Code passes the provided tests in tests.cpp

 Good job on making all functions work correctly. They worked well for all sorts of inputs.

'initialize_beliefs' is implemented the right way.

-  All of the function is implemented flawlessly.
-  The calculation of width is correctly being done.
-  Good job that you handled the float precision well in prob_per_cell calculation. or else it would have resulted in an int :)

'sense' is implemented the right way.

✓ Everything in the sense function was coded well, there is no code smell :)

'move' is implemented the right way.

✓ Everything in the move function are coded well

Code Quality

Code quality issues should not make a project non-passing unless they are problematic enough that it is not possible to understand the code at all with a reasonable amount of effort.

Readability is important so try to go through your code before submitting to make sure that a reviewer will be able to provide the most helpful feedback for you.

✓ Overall your code quality is quite good.

✓ There is no code smell.

✓ There are un-used variables here and there which I've pointed out in code-review tab.

💡 Languages like python & java have their own memory managers, so you don't need to take care of the clean up work. But in case of c & c++ you will have to take care about the memory freeing and such. I've seen in your code that you are not de-allocating stuff you've allocated. So please learn about memory management which is clearly illustrated with examples in this link: <https://www.programiz.com/cpp-programming/memory-management>

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CODE REVIEW COMMENTS



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