

## Setting up your Machine Learning Application

Connect with your Mentors and Fellow Learners on Discourse!

## Regularizing your Neural Network

## Setting Up your Optimization Problem

## Lecture Notes (Optional)

## Quiz

## Programming Assignments

- ✓ Reading: How to Download your Notebook
- ✓ Reading: How to Refresh your Workspace 5 min
- ✓ Programming Assignment: Initialization

## Programming Assignment: Initialization

✓ Passed · 100/100 points

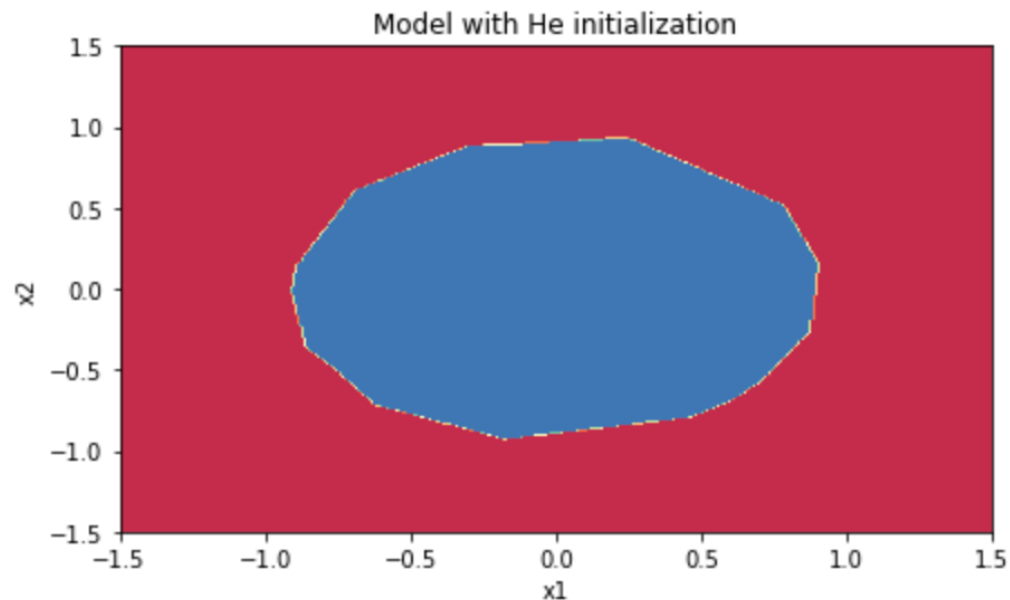
**Deadline** The assignment was due on Jan 29, 11:59 PM +06  
You can still pass this assignment before the course ends.

[Work in Browser](#)**Instructions**

## My submissions

If you have any questions about the assignments in this course, kindly ask for assistance in our Discourse community. If you haven't yet, [please click here and follow the instructions so you can join!](#)

Welcome to the first assignment of Course 2 of the Deep Learning Specialization! Training your neural network requires specifying an initial value of the weights. A well-chosen initialization method helps the learning process. In this notebook, you'll try out a few different initializations and see how they lead to different results.

**Instructions:**

- Avoid using for-loops and while-loops, unless you are explicitly told to do so.
- After coding your function, run the cell right below it to check if your result is correct.

Take your time to complete this assignment and make sure you get the expected outputs when working through the different exercises. When you see

All tests passed.

...You're in good shape. :)

Some code blocks contain graded functions, where you'll be expected to write some code. These are marked at the top of the block by a `#GRADED FUNCTION` comment, and you'll write your code in between the `### START SOLUTION HERE ###` and `###END SOLUTION HERE###` comments. Also, look for another comment that indicates roughly how many lines of code it will take to complete the graded function.

After you are done, submit your work and check your results. You need to score 70% to pass. Good luck! :)

Click on "My Submission" above to see your grades. It might take up to one minute for the graders to process your submission. You will see the point breakdown of your assignment along with the grader feedback

points concerned in your assignment along with the given reason.

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