Hyperparameter Tuning
Batch Normalization
Multi-class Classification
Introduction to Programming Frameworks
Lecture Notes (Optional)
Quiz
Programming Assignment
Programming Assignment: TensorFlow Introduction 3h
References & Acknowledgments

Programming Assignment: TensorFlow Introduction

Passed · 100/100 points

Deadline Pass this assignment by Feb 12, 11:59 PM +06

Work in Browser

Instructions My submissions

Welcome to the fifth and final (required) assignment of Course 2 of the Deep Learning Specialization! In this notebook, you'll explore TensorFlow, a deep learning framework that allows you to build neural networks more easily, and use it to build a neural network and train it on a TensorFlow dataset.

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 the following: with the result:

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.