

# Homework1: ANN Predicting salary

## Requirement:

Use the data in file *'income.csv'* to finish salary prediction. Specifically, you need to complete the code in file *'homework1.ipynb'* and submit this file to email ([shuchao\\_shanty@126.com](mailto:shuchao_shanty@126.com)).

Before you submit, please modify the file name *'homework1.ipynb'* to format *'studentID\_name.ipynb'*, just like *'20183290375\_MD MAHFUZUR RAHMAN ( 罗尼).ipynb'* .

**Submission deadline:** May 8, 2021 Beijing time

If you have any questions you don't understand,

please contact me(Shu Chao) on WeChat Group "Innovative Design and Research".

You need to learn these videos so that you can do this homework.

PyTorch for Deep Learning with Python Bootcamp > 7. ANN - Artificial Neural Networks			
名称	修改日期	类型	大小
22. ANN - Exercise Solutions.mp4	2021/3/9 12:14	mp4 file	139,054 KB
21. ANN - Exercise Overview.mp4	2021/3/9 12:13	mp4 file	58,946 KB
20. Full ANN Code Along - Classificat...	2021/3/9 11:59	mp4 file	70,307 KB
19. Full ANN Code Along - Regressio...	2021/3/9 11:59	mp4 file	120,032 KB
18. Full ANN Code Along - Regressio...	2021/3/9 11:53	mp4 file	117,823 KB
17. Full ANN Code Along - Regressio...	2021/3/9 11:53	mp4 file	132,339 KB
16. Full ANN Code Along - Regressio...	2021/3/9 11:52	mp4 file	165,515 KB
15. Introduction to Full ANN with PyT...	2021/3/9 11:51	mp4 file	36,021 KB
14. Basic PyTorch ANN - Part Three....	2021/3/9 11:50	mp4 file	90,723 KB
13. Basic PyTorch ANN - Part Two.mp4	2021/3/9 11:47	mp4 file	95,436 KB
12. Basic Pytorch ANN - Part One.mp4	2021/3/9 11:42	mp4 file	62,218 KB
11. DataSets with PyTorch.mp4	2021/3/9 11:42	mp4 file	111,748 KB
10. Linear Regression with PyTorch - ...	2021/3/9 11:38	mp4 file	153,381 KB
9. Linear Regression with PyTorch.mp4	2021/3/9 11:36	mp4 file	43,684 KB
8. PyTorch Gradients.mp4	2021/3/9 11:36	mp4 file	60,395 KB

**The following steps will guide you how to complete this assignment:**

(Before doing this homework, you must have installed anaconda, jupyter, pytorch)

**Step1:** Run jupyter, and open the operation interface on the browser.

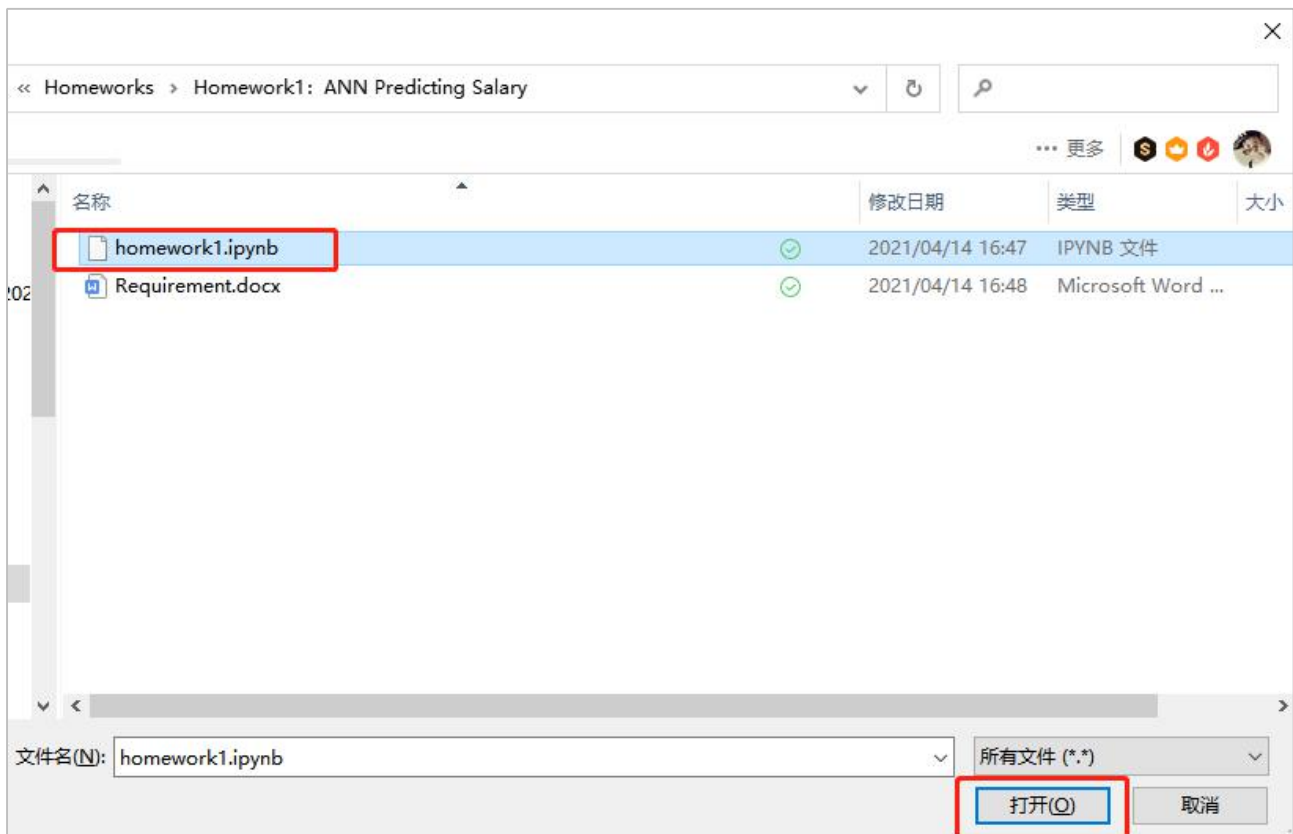
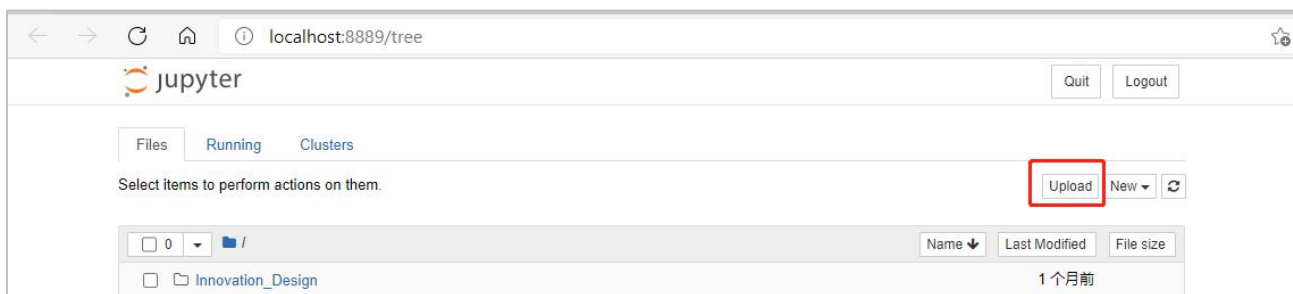
```
C:\WINDOWS\system32\cmd.exe - jupyter-notebook

C:\Users\shuch>jupyter-notebook
[I 16:51:21.235 NotebookApp] The port 8888 is already in use, trying another port.
[I 16:51:21.587 NotebookApp] JupyterLab extension loaded from d:\ProgramData\Anaconda3\lib\site-packages\jupyterlab
[I 16:51:21.588 NotebookApp] JupyterLab application directory is d:\ProgramData\Anaconda3\share\jupyter\lab
[I 16:51:21.590 NotebookApp] Serving notebooks from local directory: E:\Jupyter_Workspaces
[I 16:51:21.591 NotebookApp] Jupyter Notebook 6.1.4 is running at:
[I 16:51:21.591 NotebookApp] http://localhost:8889/?token=f29eee4fb3a35330da6185b98b93a7d027add9061385a7a5
[I 16:51:21.592 NotebookApp] or http://127.0.0.1:8889/?token=f29eee4fb3a35330da6185b98b93a7d027add9061385a7a5
[I 16:51:21.594 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation)

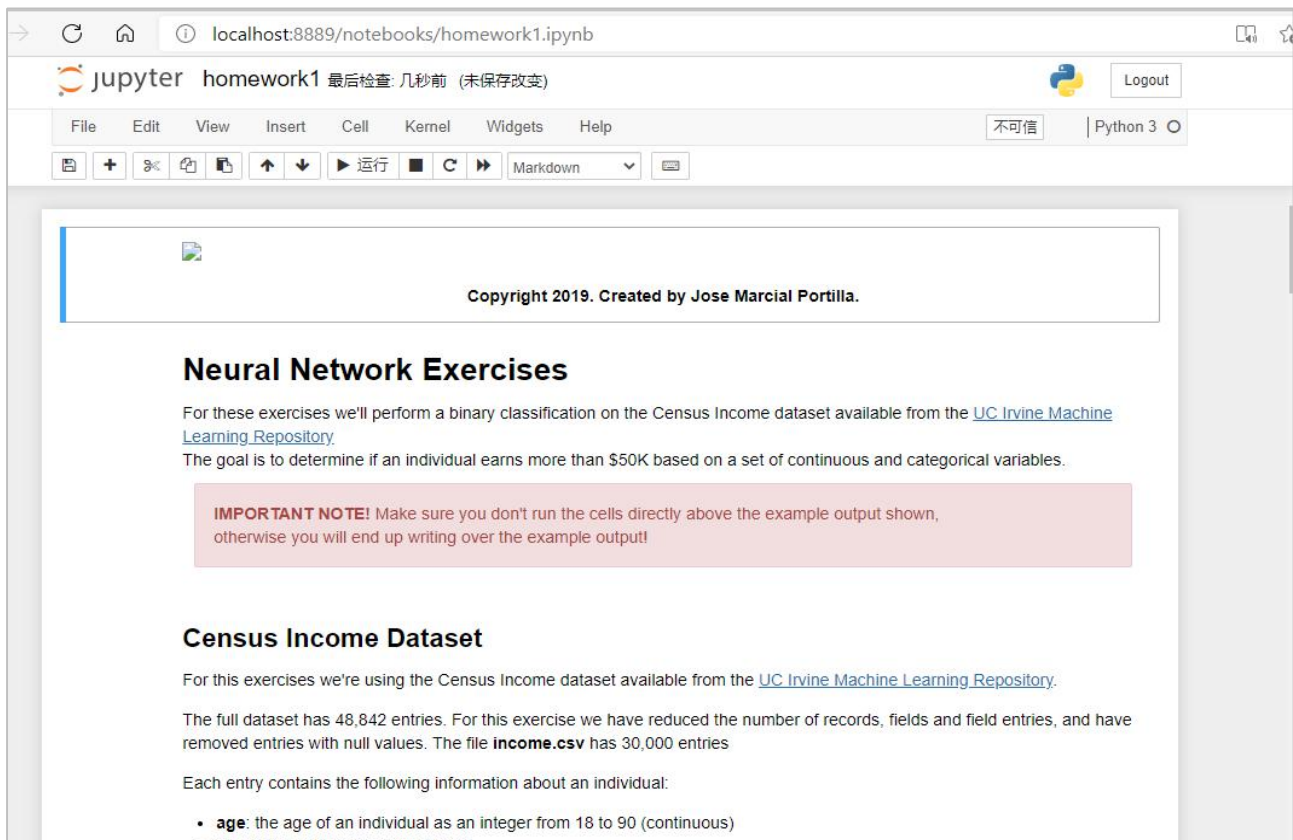
[C 16:51:21.648 NotebookApp]

To access the notebook, open this file in a browser:
file:///C:/Users/shuch/AppData/Roaming/jupyter/runtime/nbserver-72664-open.html
Or copy and paste one of these URLs:
http://localhost:8889/?token=f29eee4fb3a35330da6185b98b93a7d027add9061385a7a5
or http://127.0.0.1:8889/?token=f29eee4fb3a35330da6185b98b93a7d027add9061385a7a5
```

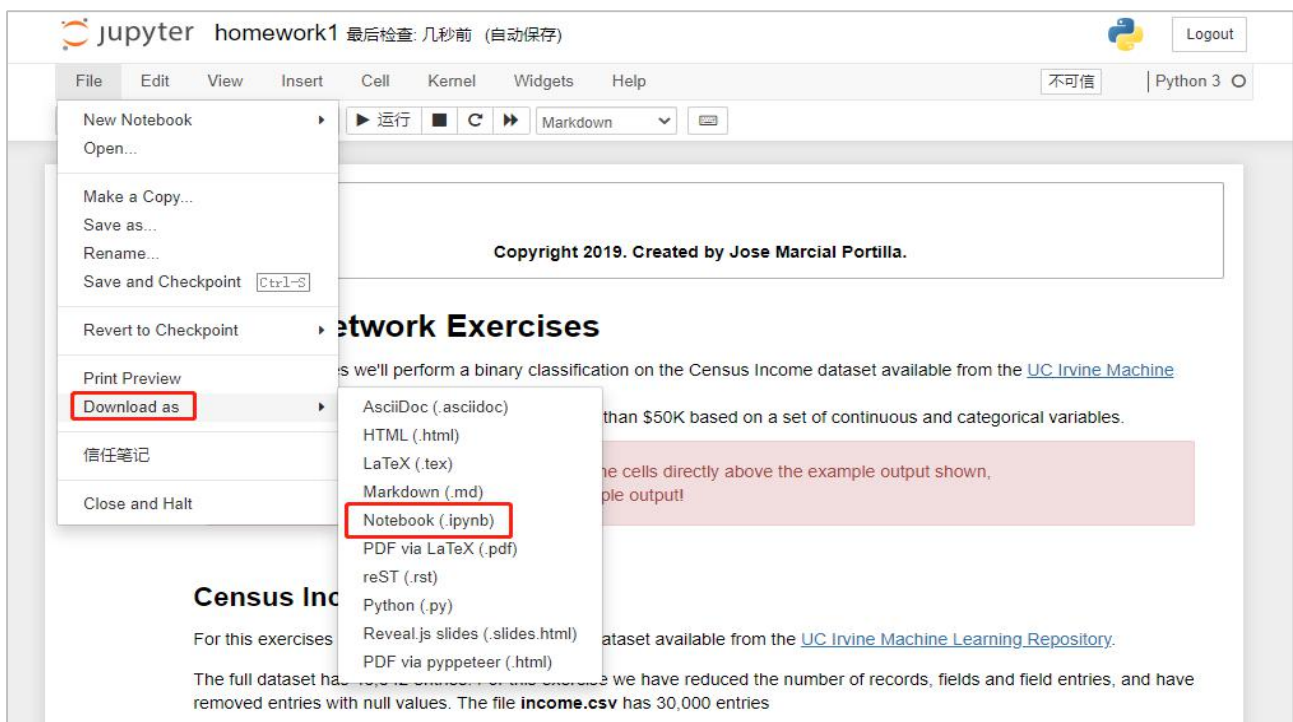
**Step2:** Upload the '.ipynb' file.



**Step3:** Complete the code according to the requirements in the file.



**Step 4:** Download the completed code file.



**Step 5:** Rename the file according to format (**studentID\_name.ipynb**), and send it to

Email: [shuchao\\_shanty@126.com](mailto:shuchao_shanty@126.com)