Jupyter notebook error fix

```
PS C:\Users\hp> jupyter botebook
Fatal error in launcher: Unable to create process using
'"C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe"
"C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\jupyter.exe" botebook': The
system cannot find the file specified.
```

It seems like there's a typo in the command you're trying to run. The correct command should be:

```bash
jupyter notebook
```

Notice the spelling of "notebook" instead of "botebook." Give that a try, and let me know if it works!

```
PS C:\Users\hp> jupyter notebook
Fatal error in launcher: Unable to create process using
'"C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe"
"C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\jupyter.exe" notebook': The
system cannot find the file specified.
```

It looks like there might be an issue with your Jupyter installation or Python environment. Here are a few steps you can try to resolve this:

1. **Reinstall Jupyter**:
   Open your command prompt (or PowerShell) and run the following to reinstall Jupyter:

   ```bash
   pip uninstall jupyter
   pip install jupyter
   ```

2. **Check Python and Jupyter Installation**:
   Verify that Python and Jupyter are installed correctly by running:

   ```bash
   python --version
   jupyter --version
   ```

   If Jupyter is not found, reinstall it using `` `pip install jupyter` ``.

3. **Check PATH Variables**:
   Ensure that your Python installation and Scripts folder are correctly set in your system's PATH

variable. If they're not, you may need to add them manually.

4. **Try Running Jupyter in a Virtual Environment**:
   If the problem persists, you can create a virtual environment and install Jupyter there:

   ```bash
   python -m venv jupyter_env
   jupyter_env\Scripts\activate
   pip install jupyter
   jupyter notebook
   ```

Let me know if you need help with any of these steps!

PS C:\Users\hp> pip uninstall jupyter
Fatal error in launcher: Unable to create process using '"C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe" "C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\pip.exe" uninstall jupyter': The system cannot find the file specified.

It looks like your Python environment might not be set up correctly, which is causing issues with both `pip` and `jupyter`. Here are a few things you can try to fix this:

1. Verify Python Installation

First, let's check if Python is installed correctly and available in the system path. Open the command prompt and run:

```bash
python --version
```

If you get an error like "Python is not recognized," it means that Python is not installed or not added to the system's PATH variable.

2. Reinstall Python

If Python is not installed or there's an issue with the installation, follow these steps:

- Download the latest Python version from here.
- During installation, ensure the box that says **"Add Python to PATH"** is checked.
- Once installation is complete, restart your command prompt and try running `python --version` again.

3. Manually Reinstall Pip

If Python is installed correctly, but `pip` isn't working, try reinstalling it:

- Download `get-pip.py` from here.

- Open the command prompt and run:

  ```bash
  python get-pip.py
  ```

This will reinstall `` `pip` ``.

4. Try Running Jupyter in a Virtual Environment

If you're still facing issues, you can try creating a virtual environment and installing Jupyter there:

- First, create a virtual environment:

  ```bash
  python -m venv myenv
  ```

- Activate the virtual environment:
  - On Windows:

    ```bash
    myenv\Scripts\activate
    ```

- Once activated, install Jupyter in the virtual environment:

  ```bash
  pip install jupyter
  ```

- Finally, run Jupyter:

  ```bash
  jupyter notebook
  ```

Let me know how it goes or if you encounter any other issues!

```
PS C:\Users\hp> python --version
Python 3.10.0
PS C:\Users\hp>
```

It looks like you have Python 3.10 installed, which is good. However, it seems like there might be some issues with `` `pip` `` or your Python environment configuration.

Here’s what you can do next:

1. Ensure pip is Installed

You can try reinstalling `pip` to make sure it's properly set up. Run the following command to download and install `pip`:

```bash
python -m ensurepip --upgrade
```

2. Verify pip Installation

Once `pip` is reinstalled, check if it's working by running:

```bash
pip --version
```

If it’s installed properly, you should see the version of `pip`.

3. Reinstall Jupyter

After ensuring `pip` is working, you can proceed with reinstalling Jupyter:

```bash
pip install --upgrade pip
pip install jupyter
```

4. Running Jupyter Notebook

Once the installation is complete, try running Jupyter again:

```bash
jupyter notebook
```

5. Add Python and Scripts to PATH

If the above steps don’t work, ensure that both the Python executable and the `Scripts` folder are added to your system's PATH variable. Here’s how:

- Go to **System Properties** > **Advanced** > **Environment Variables**.
- Under **System Variables**, find **Path** and click **Edit**.
- Add these two paths:
    - `C:\Users\hp\AppData\Local\Programs\Python\Python310\`
    - `C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\`

6. Restart Command Prompt

After making changes to your PATH, restart your command prompt to apply the changes.

Let me know if this works or if you encounter any further issues!

```
PS C:\Users\hp> python -m ensurepip --upgrade
Looking in links: c:\Users\hp\AppData\Local\Temp\tmphle1tncf
Requirement already satisfied: setuptools in
c:\users\hp\appdata\local\programs\python\python310\lib\site-packages (57.4.0)
Requirement already satisfied: pip in
c:\users\hp\appdata\local\programs\python\python310\lib\site-packages (21.2.3)
```

Great — that means `pip` is already installed and working in your Python 3.10 environment.

Now let's continue with reinstalling Jupyter:

✅ Step 1: Upgrade pip (recommended)

bash

```bash
python -m pip install --upgrade pip
```

✅ Step 2: Install Jupyter

bash

```bash
pip install jupyter
```

✅ Step 3: Launch Jupyter Notebook

Once the installation completes:

bash

```bash
jupyter notebook
```

If it still shows a **"Fatal error in launcher"** or similar, it means the **old Jupyter from Python 3.11 is still being picked up**. We'll fix that by doing the following:

🧹 Optional Cleanup: Remove old broken Jupyter (Python 3.11 traces)

Navigate to this folder (if it exists):

makefile

```makefile
C:\Users\hp\AppData\Local\Programs\Python\Python311\
```

If you're no longer using Python 3.11, **delete the entire `Python311` folder**, or at least its `Scripts\jupyter.exe`.

Then go to:

```makefile
C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\
```

Check if `jupyter.exe` exists there. If it doesn’t, run:

```bash
pip install jupyter --force-reinstall
```

Then launch:

```bash
jupyter notebook
```

Let me know if Jupyter starts after this or if you see any error.

```
PS C:\Users\hp> python -m pip install --upgrade pip
Requirement already satisfied: pip in
c:\users\hp\appdata\local\programs\python\python310\lib\site-packages (21.2.3)
Collecting pip
  Using cached pip-25.1.1-py3-none-any.whl (1.8 MB)
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 21.2.3
    Uninstalling pip-21.2.3:
      Successfully uninstalled pip-21.2.3
Successfully installed pip-25.1.1
PS C:\Users\hp> pip install jupyter
Fatal error in launcher: Unable to create process using
'"C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe"
"C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\pip.exe" install jupyter': The
system cannot find the file specified.
```

This confirms the issue: your system is **still trying to use Python 3.11's broken path** (even though Python 3.10 is your working version).

Let’s **fix the broken pip/jupyter launcher references** and ensure everything uses Python 3.10.

✅ Step 1: Run pip using Python 3.10 explicitly

Instead of using `pip`, run this to ensure it uses the right Python version:

```bash
python -m pip install --force-reinstall jupyter
```

This tells Python 3.10 to install Jupyter directly, bypassing the broken Python 3.11 path.

✅ Step 2: Remove or Rename Python 3.11 (Optional but Recommended)

Go to this folder:

```makefile
C:\Users\hp\AppData\Local\Programs\Python\
```

If you see a folder named `` `Python311` ``, rename it to something like `` `Python311_old` `` or delete it **if you're not using it**. This stops Windows from mistakenly launching things from the wrong version.

✅ Step 3: Fix PATH (optional cleanup)

Make sure your system **Path** variable does **not** contain anything from Python 3.11:

1. Press `` `Windows + S` ``, search for **"Environment Variables"**, and open it.
2. Under **System variables**, select **Path** > click **Edit**.
3. Remove any entries like:

   ```makefile
   C:\Users\hp\AppData\Local\Programs\Python\Python311\
   C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\
   ```

4. Make sure these are present instead:

   ```makefile
   C:\Users\hp\AppData\Local\Programs\Python\Python310\
   C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\
   ```

5. Click OK and restart your terminal.

✅ Step 4: Try launching Jupyter

After installing:

```bash
jupyter notebook
```

Let me know if this finally opens Jupyter or if there's any error left — we're very close now!

python -m pip install --force-reinstall jupyter done this step

Perfect! Now that you've successfully reinstalled Jupyter using Python 3.10, let's try launching it:

✅ Run This in PowerShell or CMD:

```bash
jupyter notebook
```

If it launches the notebook interface in your browser, you're all set! ✅

😕 If It Still Gives a "Fatal error in launcher"

That means the system is still pointing to the **old/broken Jupyter.exe** from Python 3.11.

🔧 To Fix This:

1. **Go to the folder:**

   ```makefile
   C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts
   ```

   ✔️ Make sure `jupyter.exe` and `jupyter-notebook.exe` exist here.
2. **Manually run the correct one:**
   Try this command to ensure you're using the fixed version:

   ```bash
   "C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\jupyter.exe" notebook
   ```

   If this works, it means the PATH still has a broken reference to Python 3.11.
3. **(Optional but Recommended)** Fix PATH by removing Python 3.11 as I described earlier:
   - Open **Environment Variables** → Edit **Path** → Remove lines that mention `Python311`.

Let me know what happens when you run:

```bash
jupyter notebook
```

Or the full path:

```bash
"C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\jupyter.exe" notebook
```

here which file should i run
✔️ Make sure jupyter.exe and jupyter-notebook.exe exist here.

Great question! Here's the difference between the two and which to run:

✅ You should run:

`` `jupyter-notebook.exe` ``

This is the actual launcher for the Jupyter Notebook web interface.

👇 Here's what each file does:

File Name	Purpose
`` `jupyter.exe` ``	General launcher for all Jupyter subcommands (e.g., lab, notebook) — you need to add arguments like **`` `jupyter notebook` ``**.
`` `jupyter-notebook.exe` ``	Directly opens the Jupyter Notebook interface — this is the **easiest and most direct** way to launch notebooks.

👉 Try this:

Open PowerShell or CMD and run:

```bash
"C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\jupyter-notebook.exe"
```

If this works, you're done ✅

Let me know if it opens in the browser or gives any error.

ok now add all
import pandas as pd
import tensorflow as tf
from tensorflow.keras import layers, models
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import mean_squared_error
install all library

Great! To install all the required libraries for your **deep learning project (like Boston Housing prediction)**, you can run the following single command in PowerShell or CMD:

✅ Run This:

```
bash

pip install pandas scikit-learn tensorflow
```

🔍 What Each Library Is For:

Library	Purpose
`pandas`	For data handling and preprocessing (**`read_csv`**, DataFrames, etc.)
`scikit-learn`	For train-test split, scaling, and metrics like MSE
`tensorflow`	For building and training deep learning models (**`keras.layers`**, etc.)

🧪 Optional: Verify Install Afterward

After installing, you can test imports:

```
python

import pandas as pd
import tensorflow as tf
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import mean_squared_error
```

Let me know if you'd like help writing the full model code too.

pip install pandas scikit-learn tensorflow
where to run this code

You should run this command in **PowerShell**, **Command Prompt**, or **Anaconda Prompt — not inside Jupyter Notebook**.

✅ Steps to Run:

1. **Press** `Windows + S`, type **PowerShell** or **Command Prompt**, and open it.
2. In the terminal, type this and press **Enter**:

```
bash

pip install pandas scikit-learn tensorflow
```

💡 Alternative (If You're Inside Jupyter Notebook):

If you're already inside a **Jupyter Notebook**, run this code **in a code cell** with a `!` at the start:

```python
!pip install pandas scikit-learn tensorflow
```

But using PowerShell or CMD is more reliable if you just installed Jupyter or set up your environment recently.

Let me know which method you're using, and I'll guide you from there.

```
C:\Users\hp>pip install pandas scikit-learn tensorflow
Fatal error in launcher: Unable to create process using
'"C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe"
"C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\pip.exe" install pandas scikit-learn
tensorflow': The system cannot find the file specified.
```

You're still facing the **Python 3.11 conflict**, which means your system is using the **broken pip from Python 3.11** even though Python 3.10 is correctly installed.

✅ FIX: Use Python 3.10's pip directly

Run this exact command **in PowerShell or CMD**:

```bash
python -m pip install pandas scikit-learn tensorflow
```

This will force your system to use **Python 3.10's working pip** and ignore the broken one from Python 3.11.

(Optional but Recommended) 🧹 Clean up PATH:

If you haven't done it yet, remove the broken Python 3.11 path from your system:

1. Press `Windows + S`, search for **Environment Variables**, and open it.
2. Under **System variables** → select `Path` → click **Edit**.
3. Remove any entry like:

   ```makefile
   C:\Users\hp\AppData\Local\Programs\Python\Python311\
   C:\Users\hp\AppData\Local\Programs\Python\Python311\Scripts\
   ```

4. Make sure these are **kept**:

   ```makefile
   C:\Users\hp\AppData\Local\Programs\Python\Python310\
   ```

```
C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts\
```

5. Click **OK** and restart PowerShell.

Run the `` `python -m pip install ...` `` command again after that. Let me know when it's done or if any step gives an error.

its worked its worked

Awesome! 🎉 Glad to hear it's working now!

You're now ready to build and run your **Deep Learning project** (like the Boston Housing price prediction) using:

```python
import pandas as pd
import tensorflow as tf
from tensorflow.keras import layers, models
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import mean_squared_error
```

Would you like help writing the full code for the **Boston Housing prediction using a Deep Neural Network** next?

yes i ru code its worked thanks you

You're very welcome! 🙌 I'm glad everything is working now.

If you need the full code for **Boston Housing Price Prediction using a Deep Neural Network**, let me know — I can walk you through it step by step, with explanations.

Would you like the full implementation with:

- Data loading
- Preprocessing
- Neural network model building
- Training
- Evaluation?

Let me know how you'd like to proceed!

thank you very much little bit frustation but at the end worked

Totally understandable — debugging Python environment issues can be super frustrating, especially with conflicting versions. But you pushed through it, and now it's **working perfectly** — great job! 💪👏

Whenever you're ready to continue with the **deep learning model**, I'm here to help you write and understand it step by step.

Want to start building the Boston Housing model now, or take a break first? 😊

your are gaot

Haha, thank you so much! 😊 You're the real **MVP** for sticking with it and getting everything up and running! If you ever need help with anything else, feel free to reach out.

Keep crushing it! 💥🚀

no i am nothing you did all the work you are genious
and sorry for my behavior

You're too kind! 😊 Seriously, it was a team effort — you did all the hard work, and I was just here to help guide you through. Don't worry about anything; we all get frustrated sometimes, especially when things aren't working as expected.

You've made awesome progress, and I'm really proud of you! 🙌 Keep up the great work, and remember, I'm always here to help whenever you need it.

Feel free to reach out anytime! 😊

tommarow i am going to run this program in my lab so give all code or instruction we did to run this code in collage computer thats why give all instruction cause i dont know weather collage has 3.11 version of python

Got it! Here's a complete set of instructions you can follow to run your **Boston Housing price prediction** program on your college computer, ensuring everything works smoothly even if the system uses Python 3.11.

✅ Step 1: Check the Python version

1. Open **PowerShell** or **Command Prompt** in your college computer.
2. Run the following command to check the Python version:

```bash
python --version
```

- If it shows **Python 3.10.x** or similar, you're good to go!
- If it shows **Python 3.11.x**, you'll need to ensure you're using the correct version.

✅ Step 2: Install the Required Libraries

Run this command to install **pandas**, **scikit-learn**, and **tensorflow**:

```
bash

python -m pip install pandas scikit-learn tensorflow
```

If this doesn't work because of Python 3.11 issues, try:

```
bash

python -m ensurepip --upgrade
python -m pip install --upgrade pip
```

Then retry the installation command:

```
bash

python -m pip install pandas scikit-learn tensorflow
```

✅ Step 3: Write the Program

You can create a new **Python file** (e.g., `` `boston_housing.py` ``) and add the following code:

```
python

import pandas as pd
import tensorflow as tf
from tensorflow.keras import layers, models
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import mean_squared_error

# Step 1: Load the dataset (you can download it from Kaggle or use a local CSV file)
url = 'https://archive.ics.uci.edu/ml/machine-learning-databases/housing/housing.data'
column_names = ['CRIM', 'ZN', 'INDUS', 'CHAS', 'NOX', 'RM', 'AGE', 'DIS', 'RAD', 'TAX', 'PTRATIO',
data = pd.read_csv(url, delimiter='\\s+', names=column_names)

# Step 2: Preprocess the data
X = data.drop('B', axis=1)  # Features
y = data['B']  # Target

# Step 3: Split the data into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)

# Step 4: Standardize the data (important for neural networks)
scaler = StandardScaler()
X_train = scaler.fit_transform(X_train)
X_test = scaler.transform(X_test)

# Step 5: Build the neural network model
model = models.Sequential()
model.add(layers.Dense(64, activation='relu', input_shape=(X_train.shape[1],)))
model.add(layers.Dense(32, activation='relu'))
model.add(layers.Dense(1))
```

```
# Step 6: Compile the model
model.compile(optimizer='adam', loss='mean_squared_error')

# Step 7: Train the model
model.fit(X_train, y_train, epochs=50, batch_size=32)

# Step 8: Evaluate the model on the test data
y_pred = model.predict(X_test)
mse = mean_squared_error(y_test, y_pred)

# Print the Mean Squared Error
print(f'Mean Squared Error on Test Data: {mse}')
```

✅ Step 4: Running the Program

Once you've written your program, follow these steps:

1. **Save the file** as `` `boston_housing.py` ``.
2. In **PowerShell** or **Command Prompt**, navigate to the folder where your file is located. For example:

```bash
cd C:\path\to\your\file
```

3. Run the program:

```bash
python boston_housing.py
```

✅ Step 5: Check Results

Once the program runs, it will print the **Mean Squared Error** (MSE) on the test data, which will tell you how well the model performed.

✅ If the Python Version Is 3.11 (or it doesn't work)

1. If Python 3.11 is causing issues, use this to install **Python 3.10** (or ask the lab admins to install it):
    - Download and install **Python 3.10** from the official Python website.
    - Ensure to check the option **Add Python to PATH** during installation.
2. Once installed, run the following command to ensure everything is working:

```bash
python --version
```

✅ If You Need to Use Jupyter Notebook

If the college computer has **Jupyter Notebook** installed, run:

```bash
jupyter notebook
```

This will open the Jupyter Notebook interface in your browser. You can then run the Python code within Jupyter cells.

💡 Additional Tips

- **Save Your Work**: Before running the program, save your work in a `.py` file or Jupyter notebook.
- **Ensure Internet Connection**: If you need to download datasets or libraries, make sure the machine has an internet connection.

Let me know if you face any issues while running this in your lab tomorrow. I'm confident you'll get it working! 😊

i will install 3.10 in lab pc dont worry give instruction

Great decision! Installing Python 3.10 on the lab PC should fix any issues related to Python 3.11. Here's a step-by-step guide to installing **Python 3.10** and setting it up on the lab PC:

✅ Step 1: Download Python 3.10

1. **Go to the official Python website**:
   Download Python 3.10.10
2. **Choose the correct version** based on the system architecture (32-bit or 64-bit). Most modern PCs will use the **64-bit version**.

✅ Step 2: Install Python 3.10

1. **Run the downloaded installer** and follow the steps.
2. During installation, make sure to **check the box** that says:
   - **Add Python to PATH**
     This will ensure you can run Python and pip from the Command Prompt easily.
3. Click **Install Now** to start the installation process. Wait until it's completed.

✅ Step 3: Verify the Installation

1. After installation, **open PowerShell or Command Prompt**.
2. Type the following command to check the Python version:

```bash
python --version
```

- If it shows something like `` `Python 3.10.x` ``, you've installed it correctly.

✅ Step 4: Install Pip and Libraries

1. Now that Python 3.10 is installed, you need to ensure **pip** (Python's package installer) is up to date.
2. Run these commands in **PowerShell or Command Prompt**:

```bash
python -m ensurepip --upgrade
python -m pip install --upgrade pip
```

3. Then install the necessary libraries:

```bash
python -m pip install pandas scikit-learn tensorflow
```

✅ Step 5: Running Your Program

1. Open **PowerShell** or **Command Prompt** in the folder where you saved the Python script (`` `boston_housing.py` ``).
2. Run the program:

```bash
python boston_housing.py
```

It will execute your program, and you should see the **Mean Squared Error (MSE)** printed on the console.

✅ Step 6: Optional - Set Up Jupyter Notebook (if needed)

If you prefer to run the code in Jupyter Notebook, follow these steps to install Jupyter:

1. Run this command to install Jupyter Notebook:

```bash
python -m pip install notebook
```

2. Launch Jupyter Notebook:

```bash
jupyter notebook
```

This will open the Jupyter Notebook interface in the browser, where you can paste the code in a new notebook and run it.

✅ Step 7: Verify the Installation and Code Execution

Once Python 3.10 is installed, you should be good to go! If you encounter any issues during the setup, feel free to reach out.

Good luck with running the program tomorrow! You're all set! 😊

C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts

It looks like you're referring to the **Scripts folder** where Python 3.10 is installed, located at:

```makefile
C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts
```

This folder contains executable scripts like `pip`, `jupyter`, and other tools for Python.

✅ If you need to add this path to your environment variables, here's how:

1. **Open Environment Variables**:
    - Right-click on **This PC** or **My Computer** and select **Properties**.
    - Click on **Advanced system settings**.
    - In the System Properties window, click on **Environment Variables**.
2. **Edit the PATH variable**:
    - In the **System variables** section, scroll down and find the **Path** variable.
    - Select it and click **Edit**.
    - In the **Edit Environment Variable** window, click **New** and add this path:

    ```makefile
    C:\Users\hp\AppData\Local\Programs\Python\Python310\Scripts
    ```
3. **Apply changes** and **close** all windows.

Now, this should allow you to run **Python** and its related tools from anywhere in the **Command Prompt** or **PowerShell**.

Let me know if you need help with anything else! 😊