Simulation + Al Course Setup Guide (Python 3.11.9)

Step-by-step instructions for students to set up the environment.

 Clone the repository: git clone https://github.com/YOURUSERNAME/simulation-ai-course.git cd simulation-ai-course

2. Create virtual environment (Python 3.11.9):

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Mac/Linux:
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python3.11 -m venv simai_env source simai_env/bin/activate Windows (PowerShell): python -m venv simai_env .\simai_env\Scripts\activate

3. Install dependencies:

pip install --upgrade pip setuptools wheel pip install -r requirements.txt

4. Open JupyterLab:

jupyter lab

Then open the notebooks in the 'notebooks/' folder.

Troubleshooting:

1. 'pip' not recognized:

Use: python -m pip install -r requirements.txt

2. Virtual environment doesn't activate:

On Windows PowerShell run:

Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy RemoteSigned

3. 'jupyter' not found:

Install explicitly: pip install jupyterlab ipykernel

4. Wrong Python version:

Check with: python --version (must be 3.11.x)

5. Packages fail to build:

pip install --upgrade pip setuptools wheel

6. Still stuck?:

Delete venv and recreate it:

rm -r simai_env (Mac/Linux)

rmdir /s simai env (Windows PowerShell)