

Maintenance Guide

1. Updating Dependencies

1. To update a specific package:

'pip install PACKAGE_NAME --upgrade'

2. To update all packages, you can use *'pip-review'*:

'pip install pip-review'

'pip-review --auto'

2. Virtual Environment

- If encountering issues with the virtual environment or dependencies, it may be helpful to recreate the environment. Deactivate and remove the current environment:

'Deactivate'

'rm -rf venv'

Then, follow the setup instructions again.

3. Compatibility Checks

- Regularly check the compatibility of your project with new Python versions and update the environment and dependencies accordingly.

4. Troubleshooting

- **Dependency Conflicts:** If you encounter dependency conflicts, consider using *'pip-tools'* for dependency management or manually adjust the versions in *'requirements.txt'*.
- **Python Version:** Some packages may not support newer versions of Python. Use *'pyenv'* or other version management tools to switch between different Python versions if necessary.

5. Documentation

- Keep the project's documentation, including this maintenance guide, updated with any changes in setup procedures, dependencies, or environment management practices.

By following this guide, you should be able to maintain a healthy development environment for the Citation Prediction project. Regular maintenance ensures that the project remains up-to-date and compatible with dependency updates and Python versions.