

# Python Crash Course

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# Outline

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# Introduction

- Welcome to the Python Crash Course
- Focus on statistical analysis with real data
- Learn Python basics through practical examples
- Cover pandas, matplotlib, and statsmodels
- Work with panel data and regression analysis

# Downloads

- Download Python 3.x from <https://www.python.org/downloads/>. Click "put on path."
- Download Visual Studio Code from <https://code.visualstudio.com/download>
- Download Git from <https://git-scm.com/downloads>. Make sure to click "Git Bash" option
- Create a GitHub account at <https://github.com>.
- For Latex
  - Download MikTex from <https://miktex.org/download>
  - Download Strawberry perl from <https://strawberryperl.com/>

- Open Visual Studio Code and Git clone the project from <https://github.com/balazs14/python-course.git>.
- New terminal, initialize venv as per README
- Click `python_intro_stats_notebook.ipynb`
- Install suggested extensions
- Install Latex Workshop for latex.

# Sample Analysis Results

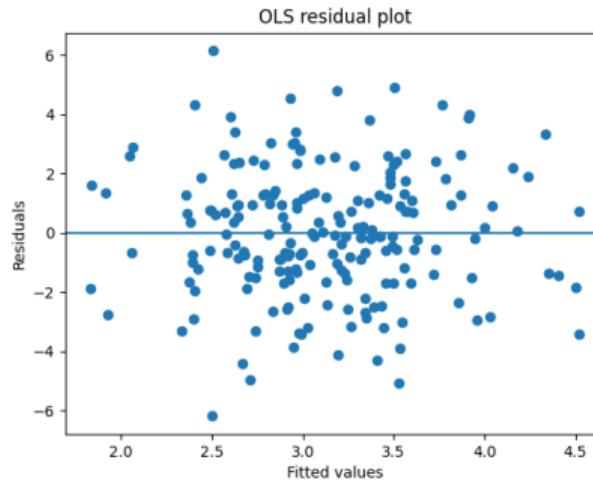


Figure: Some Fancy Analysis

As we can see in Figure 1, our publication deserves a lot of citations.

# Questions?