## **Effective Programming Practices for Economists**

## Software engineering

Introduction to error handling

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## **Motivation**

- You have seen what good tracebacks and error messages give you:
  - Where did something go wrong?
  - What exactly went wrong?
  - Sometimes: How can you fix it
- You might also have seen some error messages that were not helpful at all

Goal: Learn how to add great error handling to your code

## **Example**

```
def create_markdown_table(data):
    """Create a markdown table from a list of
    dictionaries or a dictionary of lists.
    0.00
    if isinstance(data, dict):
        lod = convert_dol_to_lod(data)
    else:
        lod = data
    keys = list(lod[0])
    lines =
        _create_header(keys),
        _create_separator(len(keys)),
```

```
def _create_header(keys):
    header = "|"
    for key in keys:
        header += f" {key} |"
    return header
def _create_separator(n_cols):
    separator = "|"
    for _ in range(n_cols):
        separator += " ----- | "
    return separator
def _create_data_row(row_dict):
    row_string = "|"
    for koy in row dict.
```