Project Notes

September 24, 2024

Contents

```
import pandas as pd
import os
export_path = os.path.join(os.getcwd(), "ADRF EXPORTS", "9_18")
files = [os.path.join(export_path, file) for file in os.listdir(export_path)]
```

1   Estimating Impact of Income on Household Welfare

$$w_{it} = \beta_0 + \beta_1 \mathbf{1}[Y_{it} \geq 0] \cdot \log Y_{it} + \beta_2 \mathbf{1}[Y_{it} \leq 0] + \beta_3 X_{it} + \gamma_{gt} + \varepsilon_{it}$$

w_{it} a meaure of welfare in logs derived from CFE demands.

$\$\mathbf{Y_{it}}$ a measure of income. We have four different mesures of income.

X_{it} vector of controls.

γ_{gt} Geography by year fixed effects pertaining to NASS Region g

```
import pandas as pd
import os
export_path = os.path.join(os.getcwd(), "ADRF EXPORTS", "9_18")
files = [os.path.join(export_path, file) for file in os.listdir(export_path)]

def clean_table(table):
    # drop na
    table.fillna("", inplace=True)
```

```python
    # rename top header
    cols = [""] + list(table.columns)[1:]
    cols = [col.split(".")[0] for col in cols]
    table.columns = cols
    #drop "R-squared" and "R-squared Adj."
    filt = table.iloc[:, 0].isin(['R-squared', 'R-squared Adj.'])
    table = table[~filt]
    #drop Prog Prefix
    table.iloc[:, 0] = [val.split("_")[1] if "_" in val else val for val in list(
    return table
data = pd.read_csv(files[0])
data = clean_table(data)
return data
```