Applied Data Analytics

Basic Python

Defining Functions

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Example: OECD equivalence scale

$$\text{weight}_{\text{hh}} = 1 + 0.5 \cdot (N_{\text{adults}} + N_{\text{youth}} - 1) + 0.3 \cdot N_{\text{kids}}$$

Example: OECD equivalence scale

```
[1] def oecd_scale(n_adults, n_youth, n_kids):
        tmp = n_adults + n_youth - 1
        return 1 + 0.5 * tmp + 0.3 * n_kids

[2] oecd_scale(1, 0, 0)
[2] 1.0

[3] oecd_scale(2, 1, 1)
[3] 2.3

[4] oecd_scale(n_adults=2, n_youth=1, n_kids=1)
[4] 2.3
```

- Function calls work with positional and keyword arguments
- Pass keyword arguments for any function with more than one argument!