## **Python Efficiency**

## Split up multiple rules

```
if n == 0:
    return None

if W == 0:
    return None

if n != len(values):
    return None
```

is ~2x as fast as making all of the stipulations on one line

```
1 if n == 0 or W == 0 or n != len(values):
2 return None
```

Results

```
Function: SIK
```

\_\_\_\_\_\_

Time elapsed: 0.0001001 s
Memory usage: 0.0 Mbs
Peak Memory usage: 0.0 Mbs

Function: SIK2

-----

Time elapsed: 3.934e-05 s Memory usage: 0.0 Mbs Peak Memory usage: 0.0 Mbs

## Making a pandas dataframe is expensive