

# You can do this... But...

- ◆ This works and is useful

```
eng4 = lambda r: 0.7724*r**1.0134
```

- ◆ It's a callable object, just like **def eng4(r): ...**

- ◆ But

- ◆ No docstring

- ◆ We can't easily apply decorators to it

- ◆ With Type Hints

```
eng4 : Callable[[float], float] = lambda r: 0.7724*r**1.0134
```



# Exercise: Refactor

```
def count(data: List[Tuple[float, float]]):  
    return sum(1 for item in data)
```

- ◆ into

```
count = lambda data: sum(1 for item in data)
```

- ◆ Do this for **sumx()**, **sumy()**, **sumx()**, etc.

- ◆ Does the **corr()** function still work?