Python formatters - David Puga

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Métodos numéricos

[45]:
```python
## Installar formatters
!pip install black autopep8 yapf isort
```

Requirement already satisfied: black in /usr/local/lib/python3.10/dist-packages
(24.10.0)
Requirement already satisfied: autopep8 in /usr/local/lib/python3.10/dist-
packages (2.3.1)
Requirement already satisfied: yapf in /usr/local/lib/python3.10/dist-packages
(0.43.0)
Requirement already satisfied: isort in /usr/local/lib/python3.10/dist-packages
(5.13.2)
Requirement already satisfied: click>=8.0.0 in /usr/local/lib/python3.10/dist-
packages (from black) (8.1.7)
Requirement already satisfied: mypy-extensions>=0.4.3 in
/usr/local/lib/python3.10/dist-packages (from black) (1.0.0)
Requirement already satisfied: packaging>=22.0 in
/usr/local/lib/python3.10/dist-packages (from black) (24.2)
Requirement already satisfied: pathspec>=0.9.0 in
/usr/local/lib/python3.10/dist-packages (from black) (0.12.1)
Requirement already satisfied: platformdirs>=2 in
/usr/local/lib/python3.10/dist-packages (from black) (4.3.6)
Requirement already satisfied: tomli>=1.1.0 in /usr/local/lib/python3.10/dist-
packages (from black) (2.1.0)
Requirement already satisfied: typing-extensions>=4.0.1 in
/usr/local/lib/python3.10/dist-packages (from black) (4.12.2)
Requirement already satisfied: pycodestyle>=2.12.0 in
/usr/local/lib/python3.10/dist-packages (from autopep8) (2.12.1)

[42]:
```python
## Archivo python sin formato
code = """
def example_function(x,y): return x+y
class ExampleClass:
  def __init__(self,a,b): self.a,self.b=a,b
  def method(self):
   return self.a*self.b
```

```
    """

    with open("example.py", "w") as f:
        f.write(code)
```

[33]:
```
## Black
!black example.py
```

reformatted example.py

All done!
1 file reformatted.

[35]:
```
with open("example.py", "r") as f:
    print(f.read())
```

```
def example_function(x, y):
    return x + y


class ExampleClass:
    def __init__(self, a, b):
        self.a, self.b = a, b

    def method(self):
        return self.a * self.b
```

[37]:
```
## autopep8
!autopep8 --in-place --aggressive --aggressive example.py
```

[38]:
```
with open("example.py", "r") as f:
    print(f.read())
```

```
def example_function(x, y): return x + y


class ExampleClass:
    def __init__(self, a, b): self.a, self.b = a, b

    def method(self):
        return self.a * self.b
```

[40]:
```
## YAPF
!yapf -i example.py
```

```python
[41]: with open("example.py", "r") as f:
          print(f.read())
```

```
def example_function(x, y):
    return x + y


class ExampleClass:

    def __init__(self, a, b):
        self.a, self.b = a, b

    def method(self):
        return self.a * self.b
```

```python
[43]: ## isort
      !isort example.py
```

```python
[44]: with open("example.py", "r") as f:
          print(f.read())
```

```
def example_function(x,y): return x+y
class ExampleClass:
  def __init__(self,a,b): self.a,self.b=a,b
  def method(self):
   return self.a*self.b
```