Code Formatting

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Code formatting deals with how the code is structured

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● Indentation

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- Indentation

```
1  def gaussian_outlier_remover(data, n_std):
2      avg, std = data.mean(), data.std()
3      return data[(data < (avg + (n_std*std))) & (data > (avg - (n_std*std)))]
```

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- Character Spacing

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```
1  def num_outlier( data, criteria = "gaussian", n = 3 ):
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- Logical Code Blocks

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```python
1   def gaussian_outlier_remover(data, n_std):
2       # calculating average and standard deviation for filtering
3       avg, std = data.mean(), data.std()
4       # returning filtered new_data using emperical rule of gaussian distribution
5       return data[(data < (avg + (n_std*std))) & (data > (avg - (n_std*std)))]
6   def factorial(value):
7       final_factorial = 1
8       for number in range(1,value+1):
9           final_factorial = final_factorial * number
10      return final_factorial
```

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● Logical Code Blocks

```python
def gaussian_outlier_remover(data, n_std):
    # calculating average and standard deviation for filtering
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    # returning filtered new_data using emperical rule of gaussian distribution
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    final_factorial = 1
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        final_factorial = final_factorial * number
    return final_factorial
```

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- Indentation

- Character Spacing

- Logical Code Blocks

and many more...

Code Formatting

Code formatting deals with how the code is structured

● Indentation

● Character Spacing

time taking?

● Logical Code Blocks

too much to consider?

and many more...

Why to format code?

Why to format code?

Code is more often read than written

Why to format code?

Code is more often read than written

- Code is written once

Why to format code?

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- Read while testing

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- Read during peer review

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Code Style

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Code format with strict conventions

Code Style

Code format with strict conventions

- Read while testing

- Code is written once

- Read during peer review

- Read before reusing code

So we should come up with some perfect Code style?

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Uniformity over Perfection

Data Science Team

Uniformity over Perfection

Data Science Team

Perfect scientific code style

Uniformity over Perfection

Data Science Team

Data Engineering Team

Perfect scientific code style

Uniformity over Perfection

Data Science Team

Perfect scientific code style

Data Engineering Team

Perfect engineering code style

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Uniformity over Perfection

Data Science Team

Data Engineering Team

Perfect scientific code style

Perfect engineering code style

Uniformity over Perfection

Data Science Team

Data Engineering Team

A general/uniform code style

~~Perfect scientific code style~~

~~Perfect engineering code style~~

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Code Formatting : Solution

Code Formatting : Solution

From the project README:

By using Black, you agree to cede control over minutiae of hand-formatting. In return, Black gives you speed, determinism, and freedom from pycodestyle nagging about formatting. You will save time and mental energy for more important matters.

Code Demo