

Coding with Class Classes in Python

What is Object Oriented Programming?

- An object is a chunk of code you can use again and again
- Like a heuristic for our brains
- Used to build software

Why do I need to Know Object Oriented Programming?

- Coding challenges may require it
- Build your own ML algorithms
- Makes you a well-rounded data scientist

What is a Class?

- Type of object
- Allows you to set properties for things that act alike

Structure of a Class – Sets an Empty Outline Up

```
class className:
```

```
    def __init__(self, property1, property2):
```

```
        self.property1 = property1
```

```
        self.property2 = property2
```

```
    def functionName(self):
```

```
        print("text" + self.property1)
```

Instance of a Class – Actual Item

InstanceName = className("data for property1", "data for property2")

Call that Function – Make Use of the Class Info

`instanceName.functionName()`