

Applied Data Analytics

Python basics

Assigning values to variables

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Assigning values to variables

```
[1] a = 3
```

```
[2] a  
[2] 3
```

```
[3] a = 3.1415
```

```
[4] a  
[4] 3.1415
```

```
[5] a = "Hello world"  
a
```

```
[5] "Hello world"
```

- Assign values to variables using a single equality sign =
- Variables names are case sensitive
- You can re-assign variables (i.e., give them different values)

Python as a calculator

```
[1] 3.1415 / 3  
[1] 1.0471666666666668
```

```
[2] a = 3.1415  
    b = 3  
    a / b  
[2] 1.0471666666666668
```

```
[3] (a + b) * 3  
[3] 18.424500000000002
```

```
[4] b**a  
[4] 31.54106995953402
```

- Arithmetic works as you would expect
- Brackets work as expected
- `**` is exponentiation (not `^`)