Lecture 2 Module 2: Variables

Exercises

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Exercise 2.1: Initializing and modifying a variable

Initialize the variable `y` with the value 7, paying attention to the display in the Environment tab.

Then destructively modify it so that it is associated with the value -2.

Solution

Exercise 2.2: Reporting numeric values

Report the value of `pi` using a `cat()` statement, displaying this value with 2 decimal places.

Solution

Solution to the Exercises

Exercise 2.1: Initializing and modifying a variable

Initialize the variable `y` with the value 7, paying attention to the display in the Environment tab.

Then destructively modify it so that it is associated with the value -2.

Solution

First, let's initialize the variable `y` with the value 7.

```
y <- 7
```

Now let's destructively modify the variable, replacing the associated value with 2.

```
y <- 2
```

Exercise 2.2

Report the value of `pi` using a `cat()` statement, displaying this value with 2 decimal places.

Solution

```
cat(
    "pi =",
    formatC(
        pi,
        format = "f",
        digits = 2
    )
)
```

```
## pi = 3.14
```