Variables as Sticky Notes (Run the purple boxes in Jupyter Notebook and write the output in the black boxes)

A variable is analogous to a sticky note with a name written on it: assigning a value to a variable is like putting

that sticky note on a particular value.

65.0

weight\_kg

This means that assigning a value to one variable does

not

change values of other variables. For example, let’s

store the subject’s weight in pounds in its own variable:

# There are 2.2 pounds per kilogram

weight\_lb = 2.2 \* weight\_kg

print

(

weight\_kg\_text, weight\_kg, 'and in pounds:', weight\_lb

)

65.0

weight\_kg

143.0

weight\_lb

Let’s now change

weight\_kg

:

weight\_kg = 100.0

print

(

'weight in kilograms is now:', weight\_kg, 'and weight in pounds is still:', weight\_lb

)

100.0

weight\_kg

143.0

weight\_lb

Since

weight\_lb

doesn’t “remember” where its value comes from, it is not updated when we change

weight\_kg

.