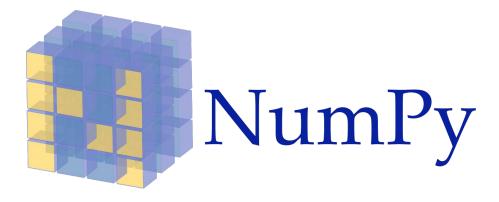


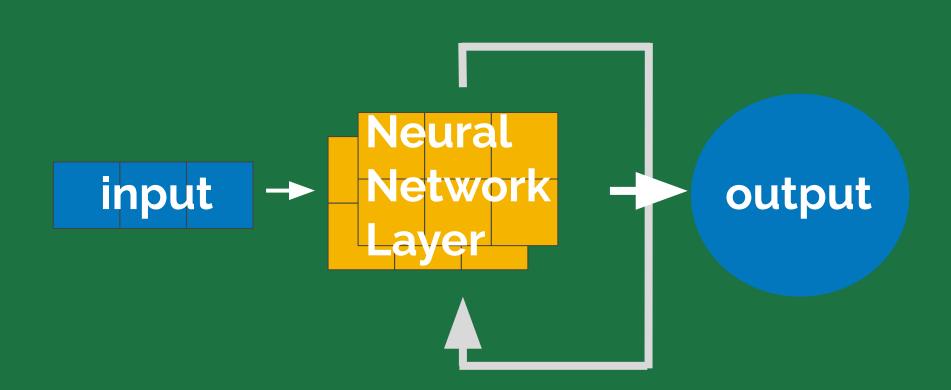
- How do you know if data has realistic values?
- How do you know if data is the correct shape for mathematical operations?
 - Shaping data!

How can you reshape data?

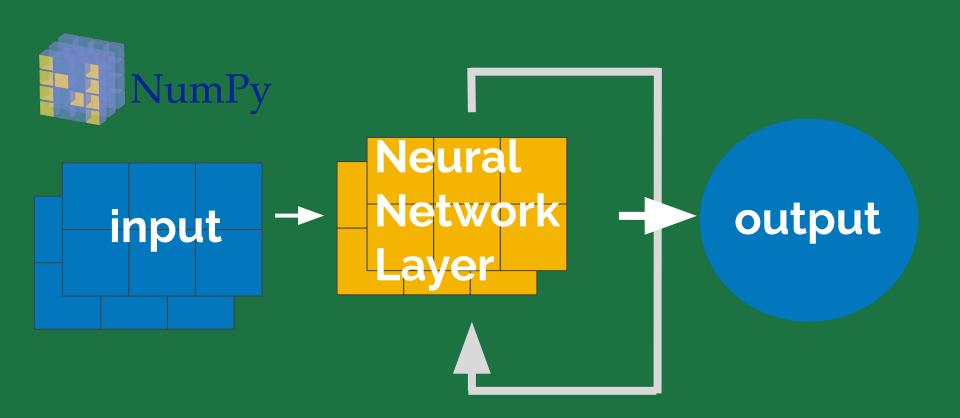
Python's NumPy package



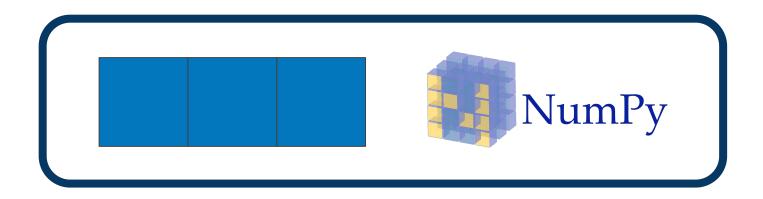
 Input data, layers of neurons, and output data come in arrays of various shapes



NumPy lets you reshape arrays



 NumPy's ndarray type is a wrapped around Python's list type



- NumPy's type is a decorator
- Provides extra methods for working with arrays

- Shapes of arrays must be manipulated to work with some mathematical operations
- Some dimensions of matrices must match

What is Shaping Data? <

Let's begin...