

The Standard Library and other Libraries

- I'll discuss the standard library and mention other libraries.
- Then I'll sum up everything we have covered (which is actually quite a lot).
- Sit back, relax and enjoy the final part 😊

Python and the Standard Library

- The Python's standard library is very extensive and includes many packages and modules.
- A package can be thought as a collection of modules that share a common namespace.
- If you need to do something in Python, chances are there is a module to help you.

Other Packages and Modules

- Some very powerful non-standard packages also exist
 - scikit-learn (for machine learning with Python)
 - We will use this next year in Data Science
- Non standard packages need to be installed using Python's Package Manager
 - A very straight forward process

```
pip install -U scikit-learn
```

Conclusion and Questions

- Discussed modules
- Docstring Conventions
- Importing Modules
- Getting help with unfamiliar Modules
- Namespaces and `dir()`
- Creating a Validate Module
- Using Modules

Conclusion and Questions

- Using aliases
- The pass operation
- The Global Namespace
- Using from to import modules
- Using from with aliases
- The Standard Python Library
- Non standard Python Libraries
- Installing Packages