

SECTION 9: MODULES & PACKAGES - 29 minutes, 3 parts

1/3 Pip Install and PyPi

- **About external Python packages**

- -> Modules & packages
- -> Pip install
- **-> PyPi <- repository for open-source third-party Python packages**
- -> This is in comparison to the builtin Python modules
- -> We can install Python packages <- from an external source
- -> There are increasing numbers of different external packages you can use
- -> Django and Flask are different libraries for web development with Python
- -> You can look up external Python packages for different use cases

- **To download and install external packages**

- -> In the terminal
- -> This is an example of installing a package which is installed in PyPi
- **-> Sometimes firewalls can stop these installs from running**
- -> pip install <- Then the name of the package we want to install
- -> pip install requests
- -> This is assuming that we already have Anaconda installed
- -> If you try and install modules which are already installed, then a certain response will be returned in the terminal
- -> pip install colorama <- To print out coloured text in the prompt
 - -> To install this module
- -> python <- This returns information about the version et al of Python being used
- -> from colourama import init
- -> init() <- To import an initialisation function
- -> from colourama import Fore <- Importing foreground from colourama
- **-> print(Fore.RED + "some red text")**
 - -> This returns red text in the terminal
 - -> You can do the same but with green
 - -> This module also has documentation you can search for

- **-> If you want to find a package for a particular use case / workflow**

- -> Search "Python package for"
- -> In this case the example is finding a Python package for excel
- -> Or, for a pdf
- -> You can go to the download links for a package / module
- -> readthedocs.io <- This is a common page for the documentation
- -> Once we have found the name for the package for the use case, in this example he goes back into the terminal
- -> then pip install package_name
- -> Then we can

