ECE 302: Lecture 00
Installing Python

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Using Your Own Laptop

https://anaconda.org/
## Anaconda Interface

The Anaconda Navigator is an interface that allows users to manage their environments, create new conda environments, and install packages. It features a sidebar with options for Environments, Learning, and Community.

### Environments

- **lab**: An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.
- **jupyterlab**: 0.32.1, Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.
- **notebook**: 5.5.0, A rich text editor (w/ support for several formats) with live preview.
- **IPython**: 3.1, PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical cellinput, and more.
- **spyder**: 3.2.8, Scientific Python Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging, and introspection features.
- **gluonviz**: 0.13.3, Multidimensional data visualization across files. Explore relationships within and among related datasets.

### Other Tools

- **orange3**: 2.13.0, Component-based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.
- **RStudio**: 1.1.423, A set of integrated tools designed to help you be more productive with R. Includes R Essentials and Notebooks.
- **vscode**: 1.26.1, Streamlined code editor with support for development operations like debugging, task running and version control.

### Resources

- **Documentation**
- **Developer Blog**
- **Feedback**
Install Packages

You need:
- numpy
- scipy
- matplotlib
- Spyder

... and other things you like

Create an environment, and make sure this is checked.
Launch Spyder
Hello World