A PRACTICAL PRIMER ON

ANACONDA®

DATE: SEPTEMBER 28, 2017

ANACONDA®

- OPEN SOURCE PYTHON DISTRIBUTION
- DATA SCIENCE-FOCUSED
- PACKAGE AND ENVIRONMENT MANAGEMENT SYSTEM (CONDA)

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CONDA BASICS

$ conda info
(basic info about conda installation)

$ conda update conda
(update conda to the latest version)

$ conda list
(list all packages)

$ conda env list
(list all environments)

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PACKAGES IN CONDA

can contain:

- system-level libraries,
- Python or other modules,
- executable programs and other components

Conda keeps track of the dependencies between packages and platforms.

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PACKAGES IN CONDA

$ conda install [package name]
(install a package using conda)

$ conda uninstall [package name]
(uninstall a package using conda)

$ pip install/[uninstall] [package name]
(install/[uninstall] a package using pip)

$ conda search [package name]
(search for a package)

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ENVIRONMENTS IN CONDA

Collection of installed conda packages:

-if you change one env., others are not affected
-easily switch environments
-share using environment.yml file.

ENVIRONMENTS IN CONDA

$ conda create --name luther python=2.7
(create an environment named luther that uses python 2.7)

$ source activate benson (linux/osx) / activate benson (win)
(turn on your benson environment)

$ source deactivate (linux/osx) / deactivate (win)
(back to root environment)

$ conda env export > environment.yml
(export environment file)

$ conda env create --file environment.yml
(create environment based on file)

$ conda env remove --name luther
(remove environment)

ENVIRONMENTS IN JUPYTER NOTEBOOK

notebook extension (python must be < 3.6 :-( ):
$ conda install nb_conda
$ source activate [env]
$ conda install ipykernel

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OTHER RESOURCES

channels: https://conda-forge.org/

conda config --add channels conda-forge
conda install <package-name>

condo cheat sheet:
https://conda.io/docs/_downloads/conda-cheatsheet.pdf

GUI: $ anaconda-navigator

QUESTIONS?