ANACONDA – JUPYTER NOTEBOOK
PYTHON & R

## 12th trimester, United international university

OVERVIEW

ANACONDA is a software/service where it creates a local server where programmer can DA works in web browser and interactive with UI view.

1. Install

- https://www.youtube.com/watch?v=HW29067qVWk
- https://jupyter.readthedocs.io/en/latest/install.html
- download and install ANACONDA which installs python kernel by default
- https://www.anaconda.com/download/

2. Python on JupyterNotebook

- Open Anaconda Navigator (opens Virtual server)
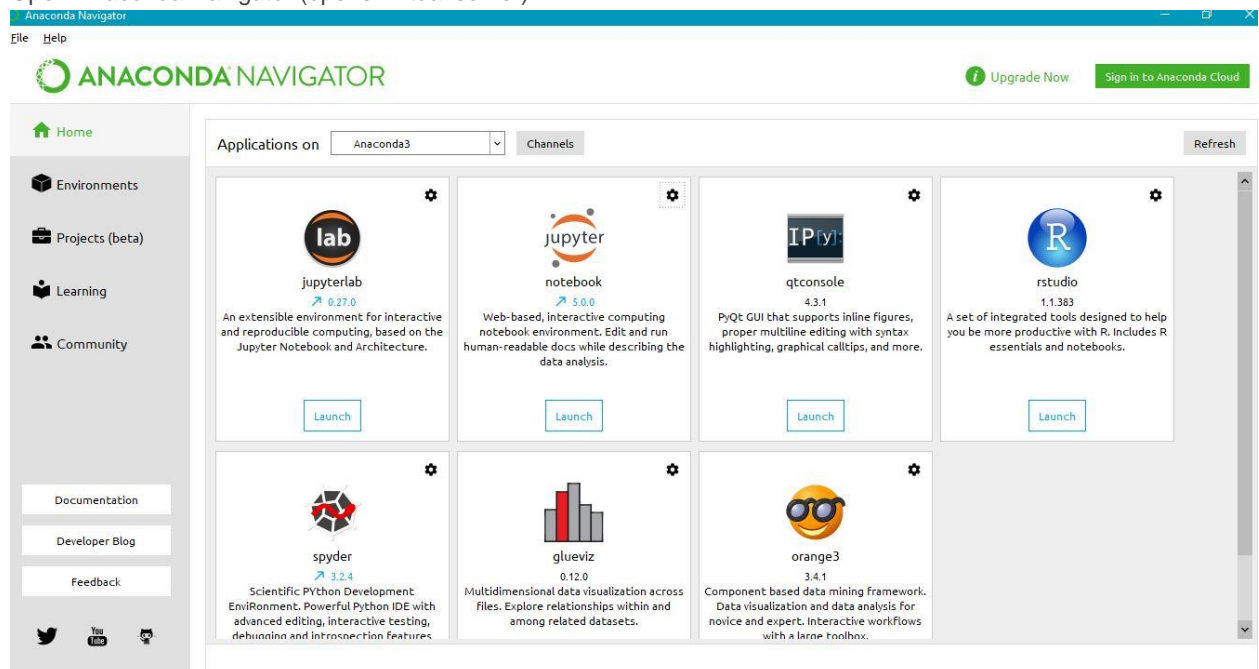
- Launch Jupyter-Notebook from UI
- automatically opens local server for notebook - http://localhost:8888/tree

- create a workspace folder – eg 'JupyterNotebook'

3. R on JupyterNotebook

- manual : https://cran.r-project.org/manuals.html

- CRAN Project https://r-project.org
- Download CRAN from https://cloud.r-project.org/
- download R Studio https://www.rstudio.com/products/rstudio/download/
- open R studio and install IRkernel for ANACONDA. Type these commands in R Studio console*
  - `install.packages(c('repr', 'IRdisplay', 'evaluate', 'crayon', 'pbdZMQ', 'devtools', 'uuid', 'digest'))`
  - `devtools::install_github('IRkernel/IRkernel')`
  - `IRkernel::installspec()`

  https://irkernel.github.io/installation/
  https://irkernel.github.io/

- restart anaconda

- open ANACONDA Navigator, can install RStudio there

4. Notebook

- Launch JupyterNotebook
- workspace directory C:\Users***
- create new notebook or doc from NEW button on the right upper corner
- select kernel – Python or R
- can save notebook as pdf or as notebook format which can be run from web server (used it on trial)
- Log out after use
- Refresh ANACONDA

Jupyter

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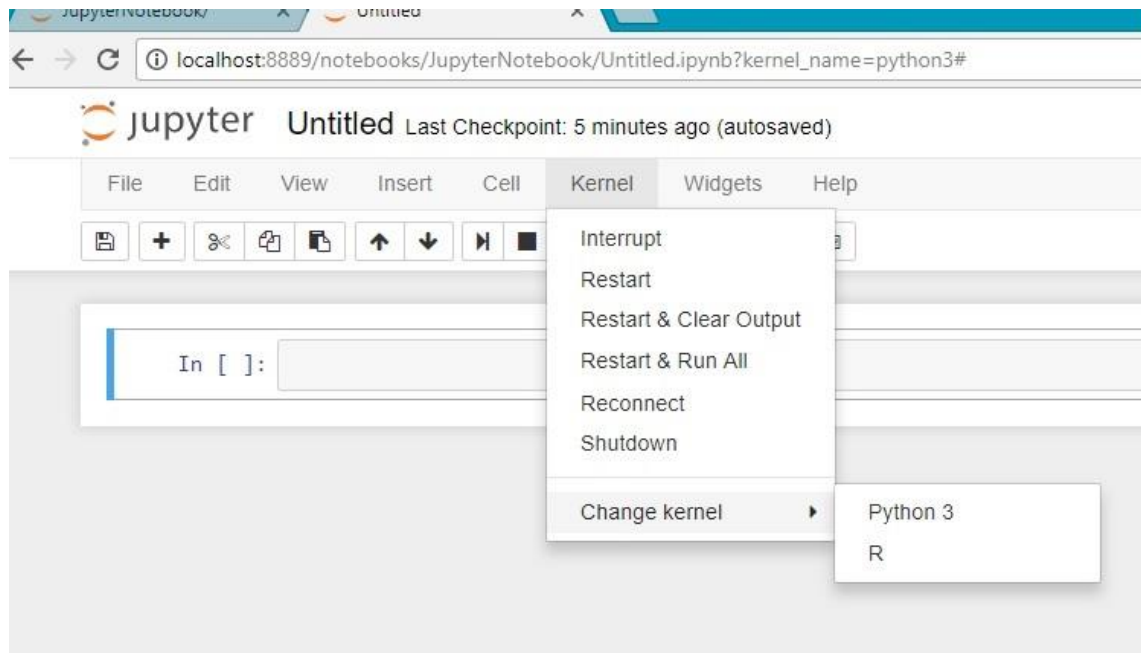| ☐ ▾	📁 / JupyterNotebook	Name ↑	Last Modified ↑
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5. nbconverter for Notbook for save as pdf through LaTex

- nbconverter doc http://nbconvert.readthedocs.io/en/5.x/install.html

- for Windows Download MikTex

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  https://miktex.org/howto/install-miktex
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- launch notebook
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