GENERAL DYNAMICS
Mission Systems

Machine Learning Series – Setup

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BYOL – Bring Your Own Laptop

- These series of classes will be partly hands on with code.

- Please bring a laptop to the class.

- Either a personal laptop or GDMS laptop ok.

- As a group we will be stepping though the code incrementally.

- The class instructor will explain what's going on.

- Questions are encouraged.

- Example code uses Python 3.6

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GDMS Laptop Setup – Prior To Class

- **Install Dependencies Before Class Start**

1. Download and open GDMS Freeloader

2. Install the latest Anaconda distribution

3. Install TensorFlow from online

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GDMS Laptop Setup 1) Freeloader
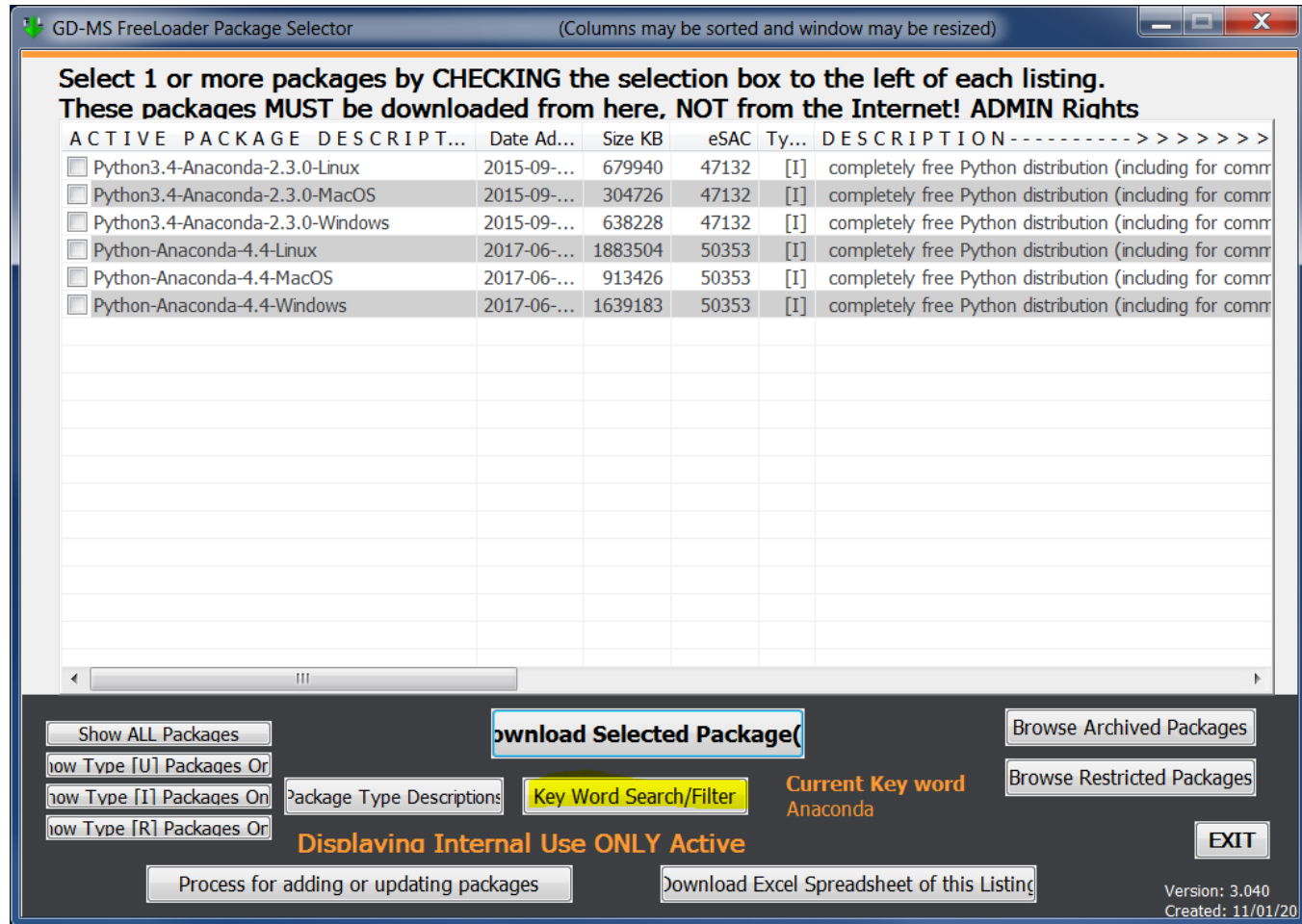
http://es.gddsi.com/freeloader/

GDMS Laptop Setup 1) Anaconda
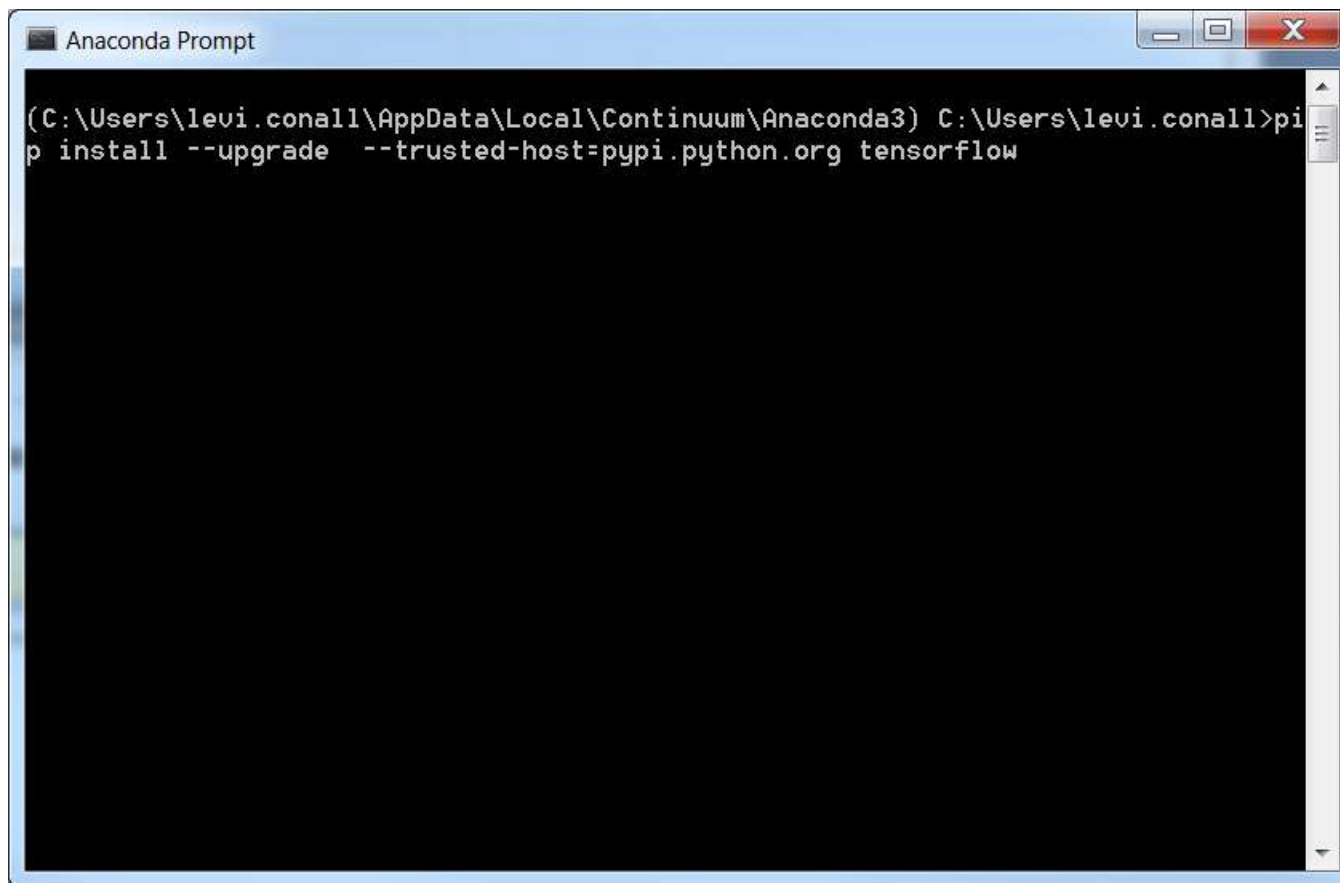
Filter Packages with "Anaconda" as keyword
*For this course we will be using **Python-Anaconda-4.4 or newer***

GDMS Laptop Setup 1) TensorFlow

Start Button -> All Programs -> Anaconda3 -> Anaconda Prompt

pip install --upgrade --trusted-host=pypi.python.org tensorflow

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Personal Laptop – Prior To Class

- **Install Dependencies Before Class Start**

- Download and install latest Anaconda distribution, Version 5.1 or newer ok
- https://www.anaconda.com/download/

- Install TensorFlow
- https://www.tensorflow.org/install/
- From Anaconda Prompt:
- pip install --upgrade tensorflow

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Personal Laptop – Prior To Class

- **Setup Guest Wi-Fi Before Class Start**

1. Bring laptop to work
    1. But NOT into a closed area, secure it outside your closed area with a friend.

2. Access Guest Wi-Fi network/internet from laptop.

3. On login page, enter work email to request access to Guest Wi-Fi.

4. On your work computer, open email, accept the Guest Wi-Fi request.

5. Verify your personal laptop now has internet access.

Launch Class Files

- Launch Anaconda Prompt

- Activate appropriate environment, if applicable

- Run "Jupyter Notebook"

- Your web browser will launch

- Navigate to directory with class files

- Click on the .ipynb file

- The Jupyter Notebook will Launch