

102-1 生物資訊程式設計

Bioinformatics Programming 2013

07/23

Cho-Yi Chen

陳卓逸

NTU.Joey@gmail.com

Syllabus

2

- 介紹Python (7/16)
 - 歷史、特點
 - 基本語法
- 資料結構 (7/18)
 - String/List/Tuple
 - Set & Dict
- 函數與模組 (7/23)
 - 類別與物件
 - 內建模組/自訂模組
- 科學運算 (7/25)
 - numpy & scipy
 - matplotlib
- 生資相關 (7/30)
 - networkx
 - biopython
- Perl Programming
 - (8/1, 8/6, 8/8)
- 期末專題demo (8/13)

終

Outline

Python Advance

Discussion of New Problems



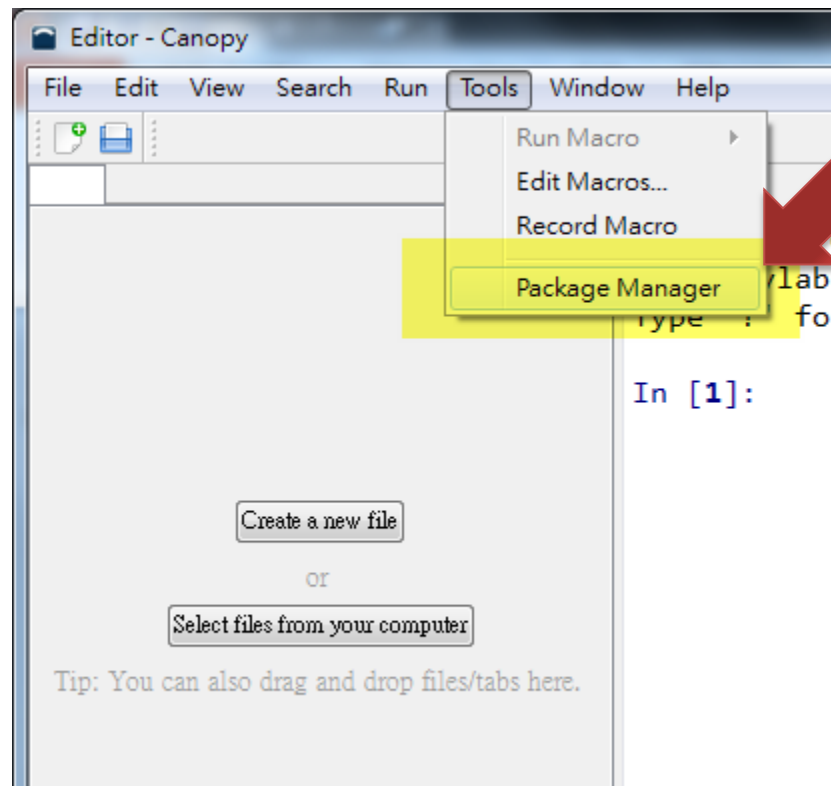
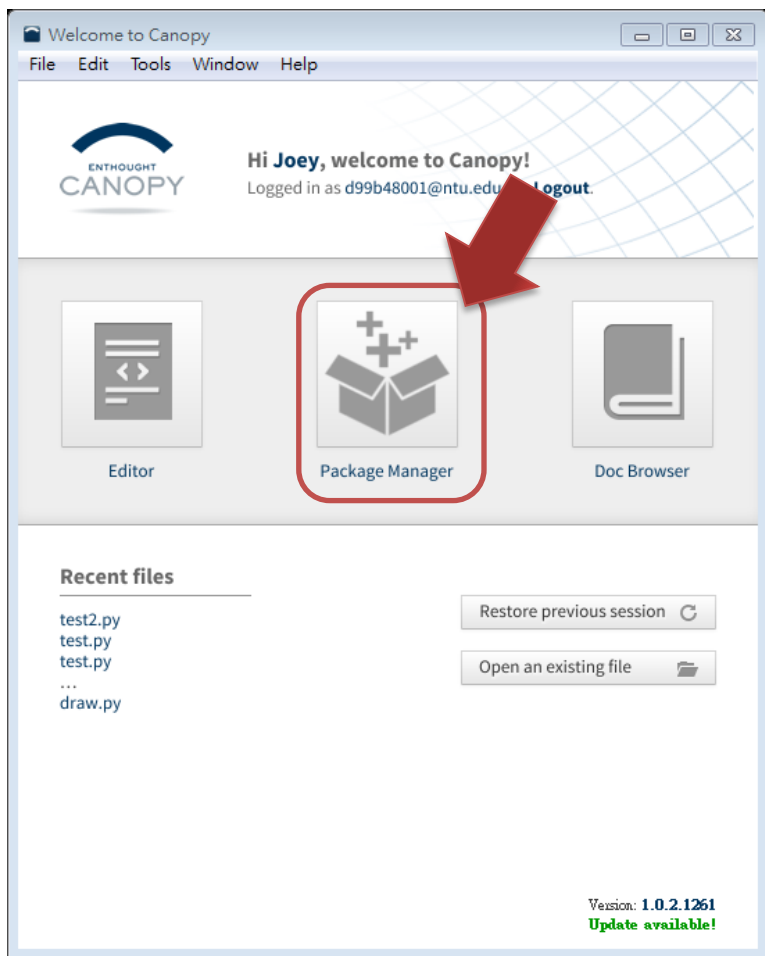
Problem Review

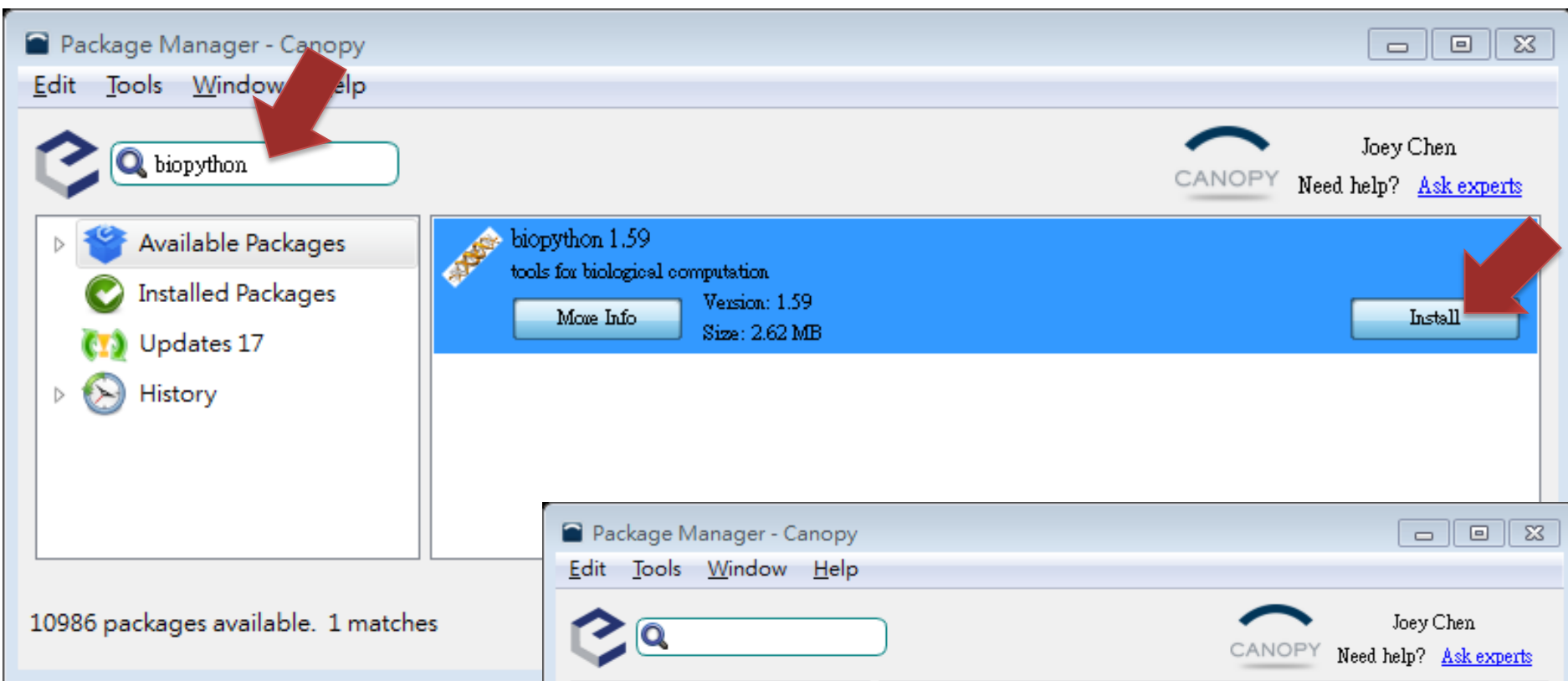
Home
work

Install 3rd Party Packages

Package Manager

5



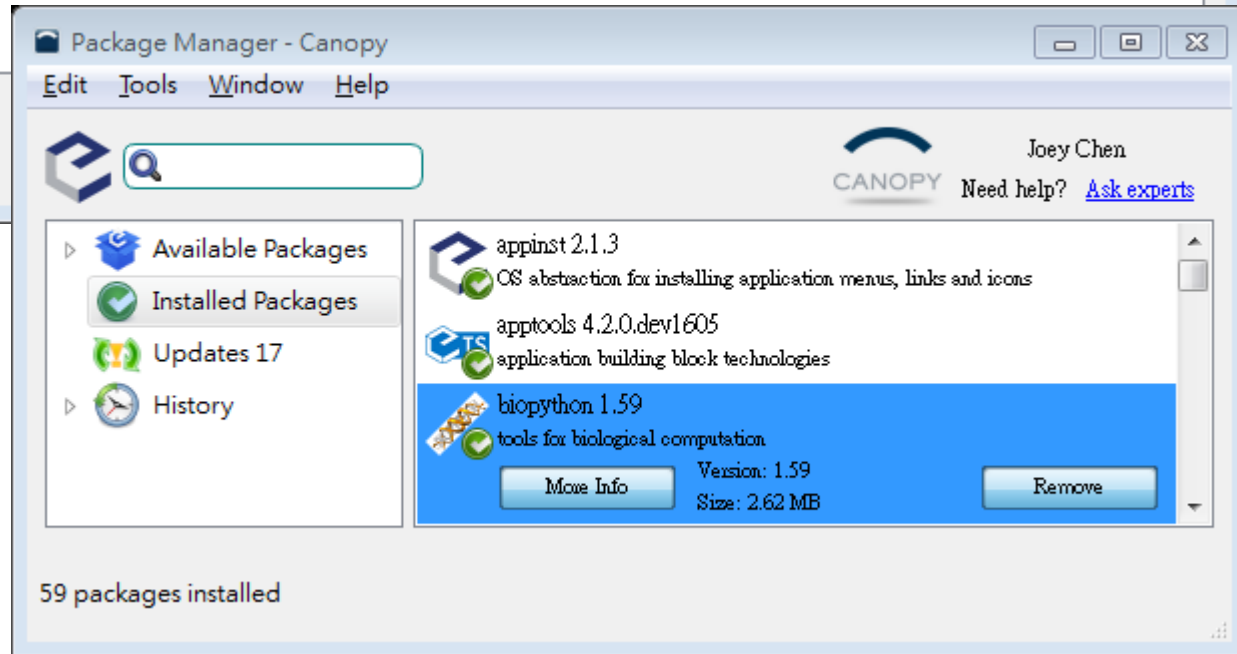


Biopython

Search for "Biopython"

Install the package

Now you can see biopython in your installed package list



See *Bioinformatics Programming.120724.pdf* for more info about Biopython

PEP 8 -- Style Guide for Python Code

<http://www.python.org/dev/peps/pep-0008/>

Google Python Style Guide

<http://google-styleguide.googlecode.com/svn/trunk/pyguide.html>