



Python Bootcamp Toolboxes

PhD Bruno C. Quint

bquint@ctio.noao.edu

Resident Astronomer at SOAR Telescope

<https://github.com/b1quint/PythonBootcamp2017>



Table of Contents

- iPython
- Jupyter
- PyCharm



Python Vs iPython



This image cannot currently be displayed.



This image cannot currently be displayed.



Python Vs iPython



This image cannot currently be displayed.



This image cannot currently be displayed.



Python Vs iPython

 This image cannot currently be displayed.

 This image cannot currently be displayed.



Python Vs iPython



This image cannot currently be displayed.



This image cannot currently be displayed.



Python Vs iPython



This image cannot currently be displayed.



Python Vs iPython



This image cannot currently be displayed.

Colors!!



Python Vs iPython

Tab Completion


 This image cannot currently be displayed.

Tab pressed 3x

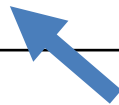


Python Vs iPython

Tab Completion

 This image cannot currently be displayed.


Tab pressed 3x





Python Vs iPython

Tab Completion

 This image cannot currently be displayed.

Tab pressed 3x





Python Vs iPython

Tab Completion

 This image cannot currently be displayed.



Tab pressed 1x





Python Vs iPython

Tab Completion



This image cannot currently be displayed.



Python Vs iPython

Tab Completion



This image cannot currently be displayed.



Python Vs iPython

Help with (i)Python



This image cannot currently be displayed.



This image cannot currently be displayed.



Python Vs iPython

Help with Python

 This image cannot currently be displayed.



Python Vs iPython

Help with iPython



This image cannot currently be displayed.



Python Vs iPython

Help with iPython

 This image cannot currently be displayed.


 This image cannot currently be displayed.



Python Vs iPython

Magic Functions

 This image cannot currently be displayed.

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.

<ENTER>: New line
<SHIFT> + <ENTER>: Execute cell



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.

Command Mode





Jupyter / iPython Notebook

 This image cannot currently be displayed.

Edit Mode



Jupyter / iPython Notebook

 This image cannot currently be displayed.




Jupyter / iPython Notebook

 This image cannot currently be displayed.

<m> in `_command mode_`: swicth to Markdown edition



Jupyter / iPython Notebook

 This image cannot currently be displayed.




Jupyter / iPython Notebook

 This image cannot currently be displayed.




Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



Jupyter / iPython Notebook

 This image cannot currently be displayed.



PyCharm – Not Used

This image cannot currently be displayed.



PyCharm – Tab

This image cannot currently be displayed.

 This image cannot currently be displayed.



PyCharm – See parameters

This image cannot currently be displayed.



PyCharm

This image cannot currently be displayed.



PyCharm – Auto-complete

This image cannot currently be displayed.



PyCharm – Auto-complete

This image cannot currently be displayed.



This image cannot currently be displayed.



PyCharm – Quick Help

This image cannot currently be displayed.



PyCharm – Quick Help

This image cannot currently be displayed.



This image cannot currently be displayed.



PyCharm - Run

This image cannot currently be displayed.



PyCharm - Debug

This image cannot currently be displayed.



PyCharm – PEP-8

This image cannot currently be displayed.

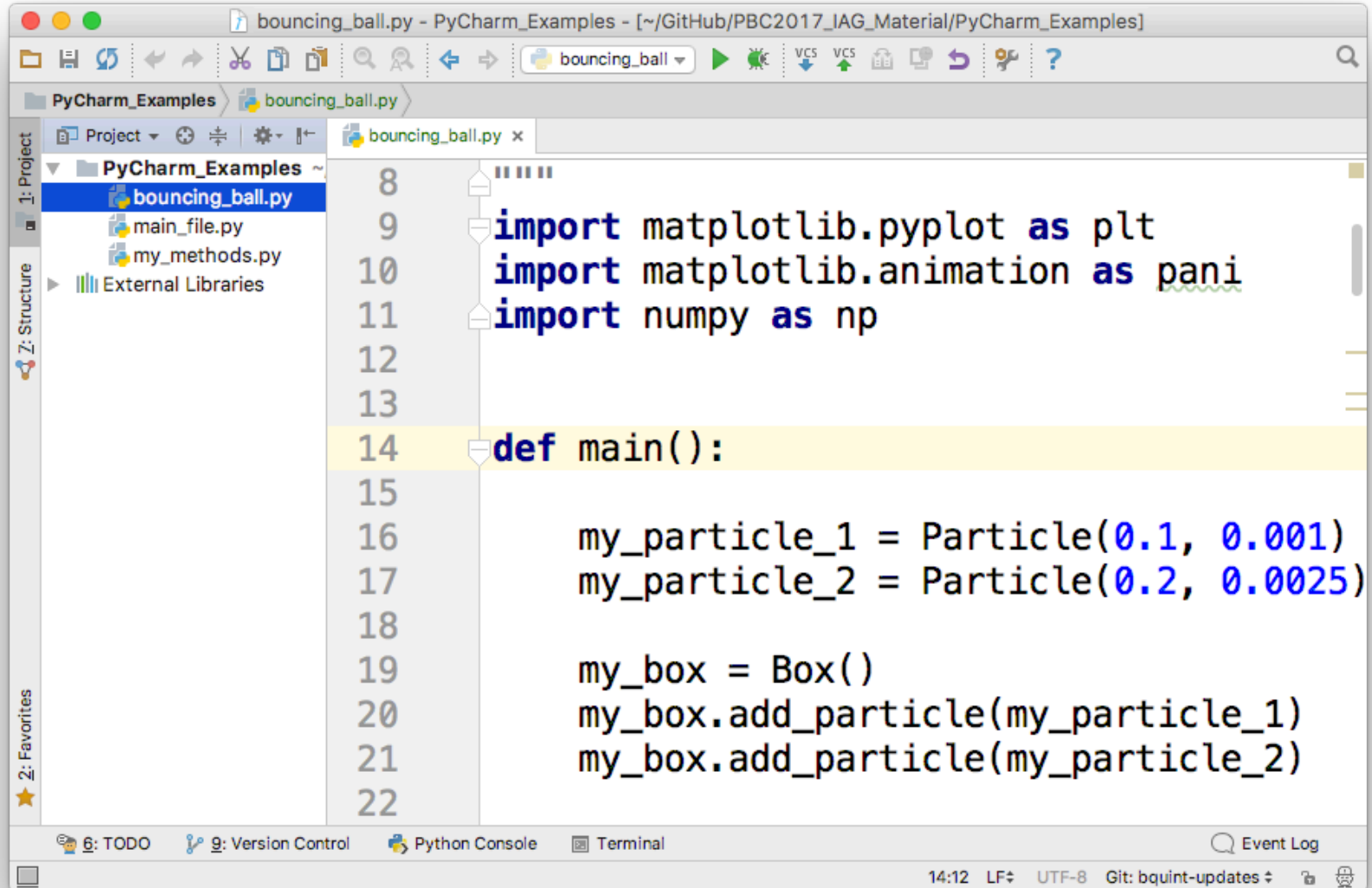


PyCharm – PEP-8

This image cannot currently be displayed.

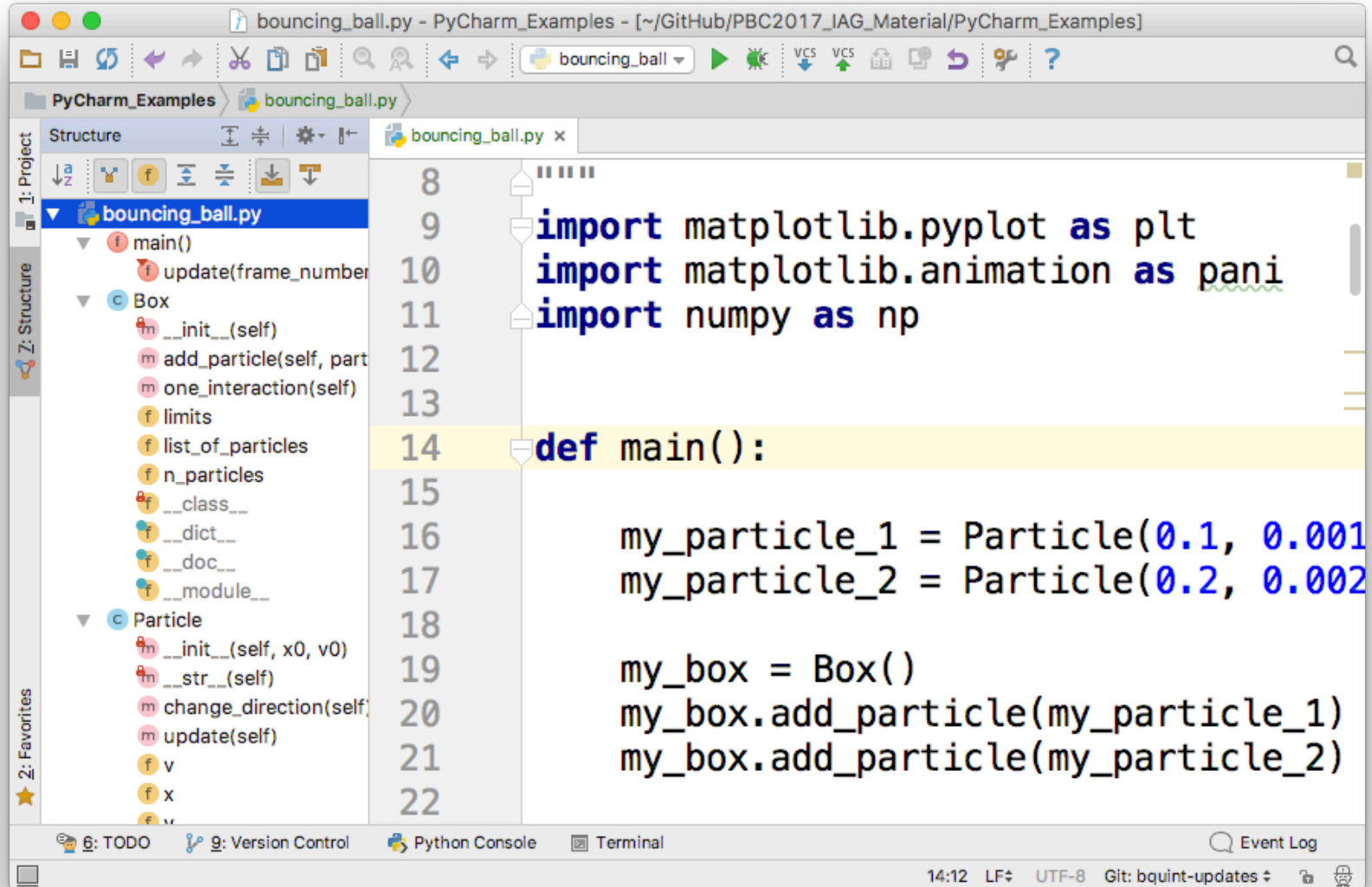


PyCharm - Structure





PyCharm - Structure





PyCharm – Version Control (Git)

This image cannot currently be displayed.



PyCharm – Version Control (Git)

This image cannot currently be displayed.



PyCharm – Version Control (Git)

This image cannot currently be displayed.



PyCharm – Version Control (Git)

This image cannot currently be displayed.



PyCharm – Version Control (Git)

This image cannot currently be displayed.

This image cannot currently be displayed.



PyCharm – Version Control (Git)

This image cannot currently be displayed.



Questions?

 This image cannot currently be displayed.