



ESOpY 2.0
8-9-10 January 2018
ESO vitacura



LOC: R. Thomas, B. Dias, A. Razza, E. Sedaghati

E=Talk + Exercices

T = Talk only

Day 01 Morning session (9h30 --> 13h)

09:30 - 10:00: Introduction (R. Thomas) **T**

10:00 - 11:00: Python as an object oriented language (E. Sedaghati) **E**

11:00 - 11:30: coffee break

11:30 - 13:00: Python language I (I. Munoz) **E**

13:00 - 14:00: lunch

Day 01 Afternoon session (14h-->17h40)

14:00 - 15:00: Python language II (I. Munoz) **E**

15:00 - 16:00: Interacting with external file (A. Razza) **E**

16:00 - 16:30: coffee break

16:30 - 17:00: Terminal interface (or how to leave your code in peace) (R. Thomas) **E**

17:00 - 17:40: Basic matplotlib manipulation (R. Thomas) **E**

Day 02 Morning session (9h --> 13h)

09:00 - 09:15: Introduction (B. Dias) **T**

09:15 - 09:45: Functional programming (I. Munoz) **T**

09:45 - 11:00: Astropy (A. Razza) **E**

11:00 - 11:30: coffee break

11:30 - 12:00: Paranal Python Library (I. Munoz) **T**

12:00 - 13:00: Aplpy and advanced plotting for Astronomy (F. Voigt) **E**

13:00 - 14:00: lunch

Day 02 Afternoon session (14h-->17h30)

14:00 - 16:00: Projects

16:00 - 16:30: coffee break

16:30 - 17:30: Projects



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Day 03 Morning session (9h30 --> 13h)

09:00 - 11:00: Scientific coding with Numpy and Scipy (R. Thomas) **E**

11:00 - 11:30: coffee break

11:30 - 12:15: Distributing python packages/github (F. Voigt) **T**

12:15 - 13:00: An example of advanced computing package: PyMc (J. Bolmer) **E**

13:00 - 14:00: lunch

Day 03 Afternoon session (14h-->17h30)

14:00 - 16:00: Projects

16:00 - 16:30: coffee break

16:30 - 17:00: Projects

17:00 - 17:30: Short presentation (5min) with a summary of each project