



# ESO PYTHON BOOT CAMP

PyCoffee - ESO, Vitacura. Oct 20, 2016

# PyCoffee @ ESO

Thu 11 am - library



# GOAL

- To leave with a few scripts installed and running on your computer with application to operations and science
- To know how to apply the codes above to your tasks in Paranal or science



**13/Oct**

9:00 - 09:30 Reception, set up, and welcome message (Julien Milli, Bruno Dias)

9:30 - 10:25: **Class 1** - data manipulation (Nicolas Haddad)

10:30 - 11:30: **Class 2** - data structure, debugging, and Python 2 vs. 3 (Claudio Reinerio)

11:30 - 11:45: Coffee break

11:45 - 12:45: **Class 3** - astrophysical quantities and images (Julien Milli)

13:00 - 14:00: Lunch

14:00 - 15:30: **Block 1** - projects development

15:30 - 15:45: Coffee break

15:45 - 17:00: **Block 2** - projects development



**14/Oct**

9:00 - 09:30: Reception and set up

9:30 - 10:20: **Class 6** - classes, threads, and multiprocessing (Claudio Reinerio)

10:30 - 11:30: **Class 5** - pieces of codes useful for projects (Ignacio Toledo)

11:30 - 11:45: Coffee break

11:45 - 12:45: **Class 6** - good Python plotting practices (Frédéric Vogt)

13:00 - 14:00: Lunch

14:00 - 15:30: **Block 3** - projects development

15:30 - 15:45: Coffee break

15:45 - 16:30: **Block 4** - preparing project presentations

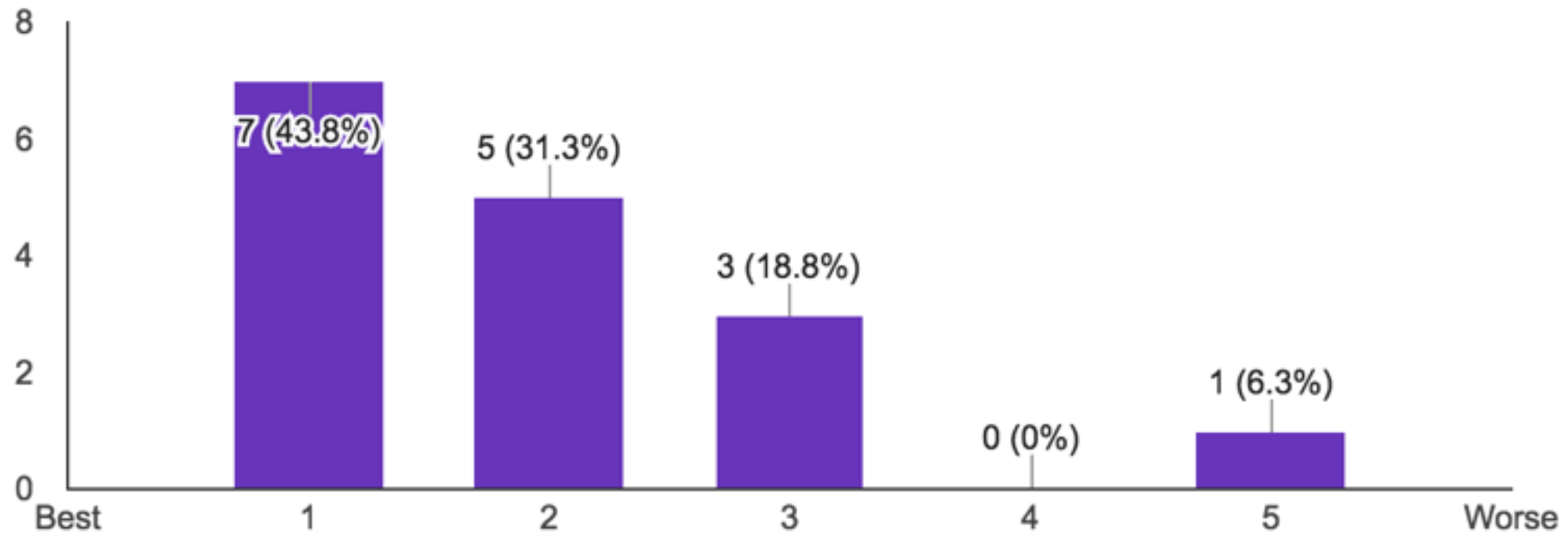
16:30 - 17:00: Final presentation (5min each project)

18:00 Happy hour at La Fuente Vitacura (proposed activity not covered by the event)

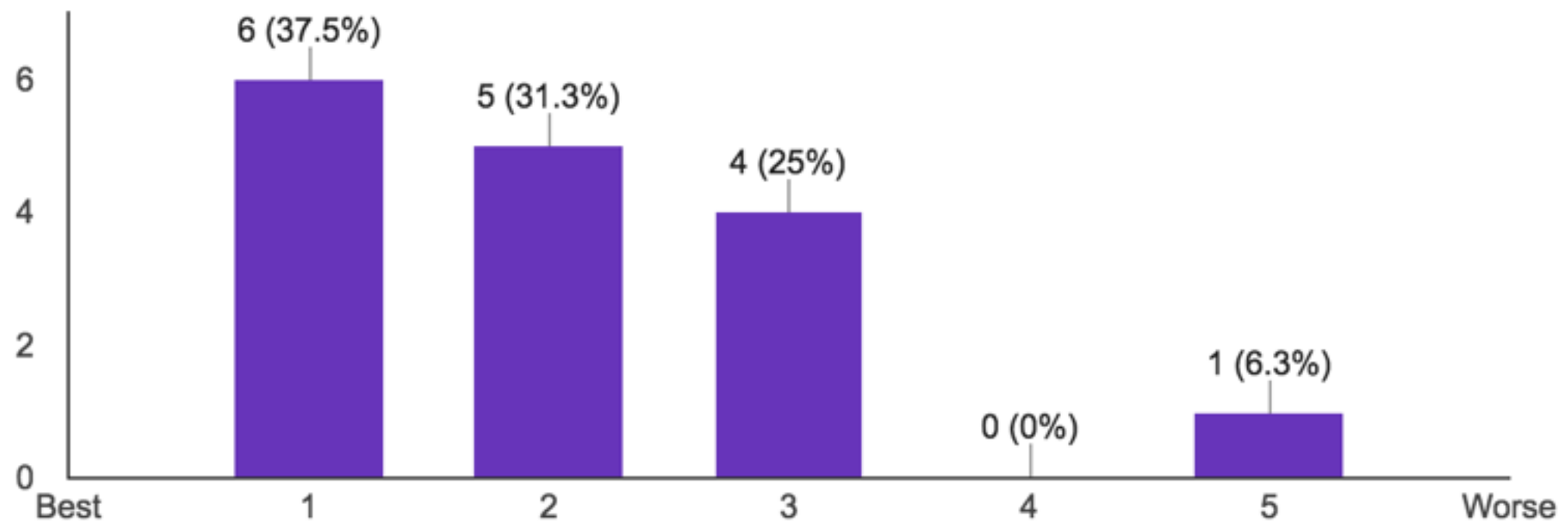




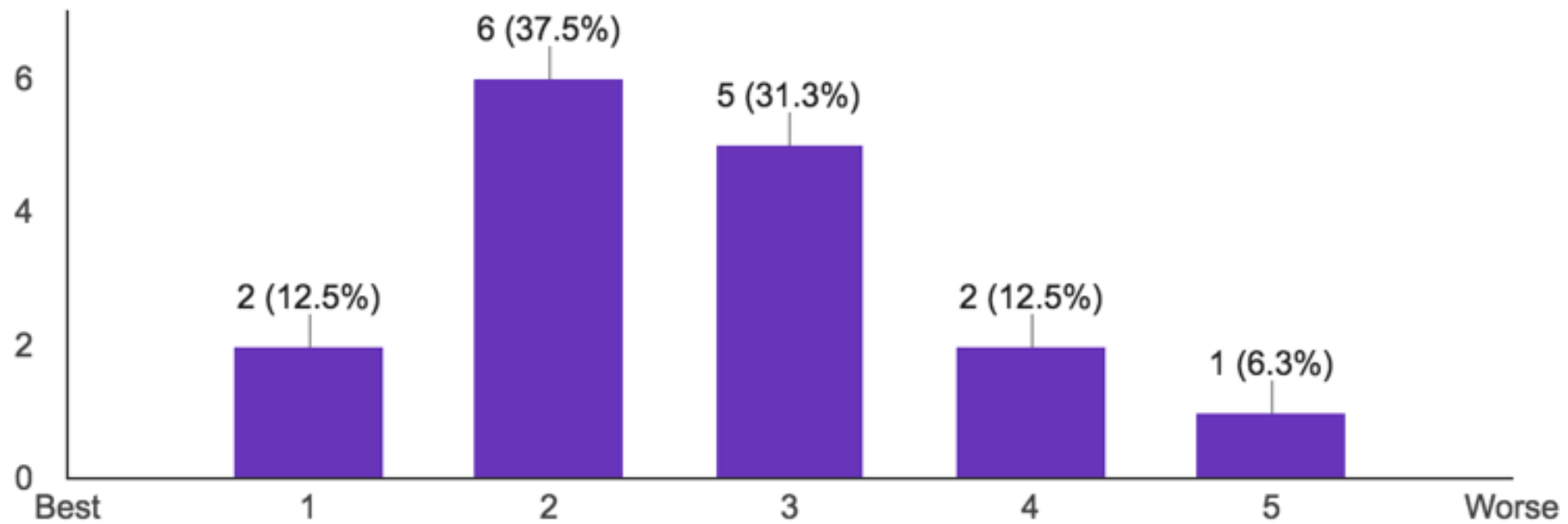
## Grade the length of the boot camp (16 responses)



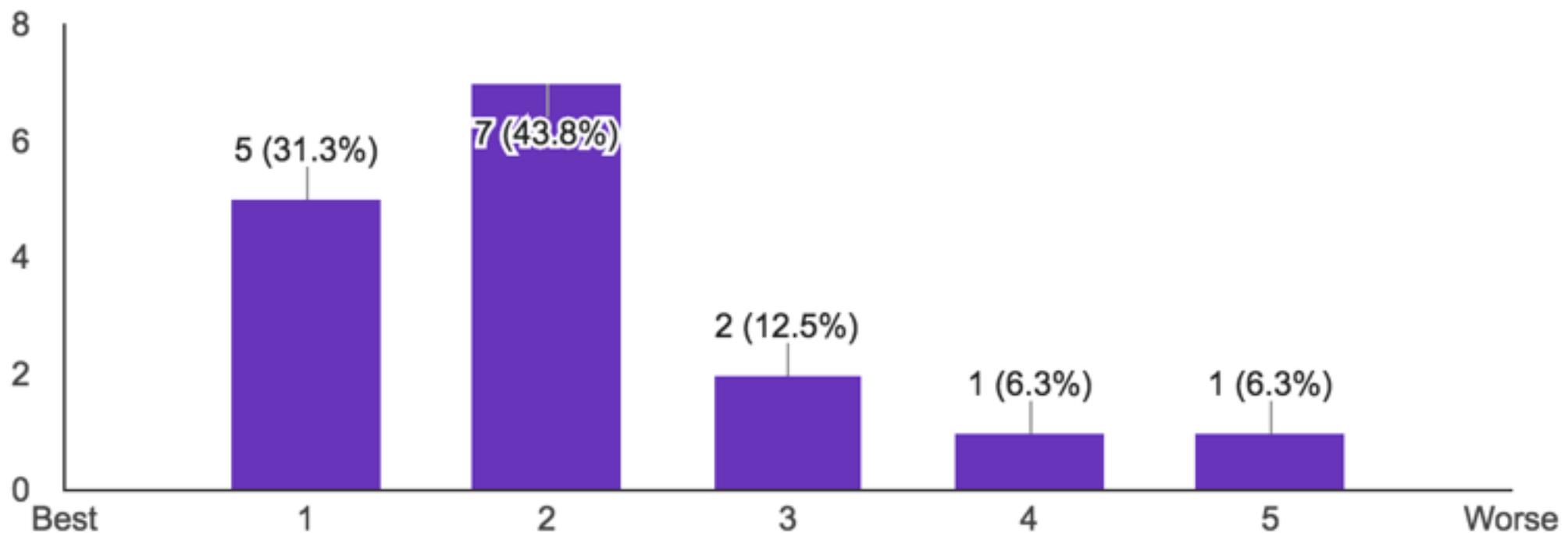
## Grade the whole boot camp (16 responses)



## Grade the quality of morning classes (16 responses)



## Grade the quality of project session (16 responses)





Do you think some topic (class or project) was not suitable? Please provide details.

(16 responses)

 Learning something new

 All topics very useful

 Some topics did not have a clear goal


 Some topics very advanced or specific

 Some topics very basics...



Do you think some other topic (class or project) should have been included?  
Please provide details.

(16 responses)

 Once you have an idea of Python it is possible to use websources and PyCoffee for self-learning

 It was very good for a 2-days workshop

 More about core packages

 More about how to organise a script

Feel free to give suggestions or any further comments here. (12 responses)



Great learning initiative!!!! Thanks and congrats!!!



It was good to have a software engineer point of view





Mixing exercises in class should be done but should be specific and simple to avoid confusion




“Organizing such an event is a major effort and not to be underestimated. Owing to its direct usefulness for operations, I think that the organisers should get compensated with duty time for this effort!”

Feel free to give suggestions or any further comments here. (12 responses)

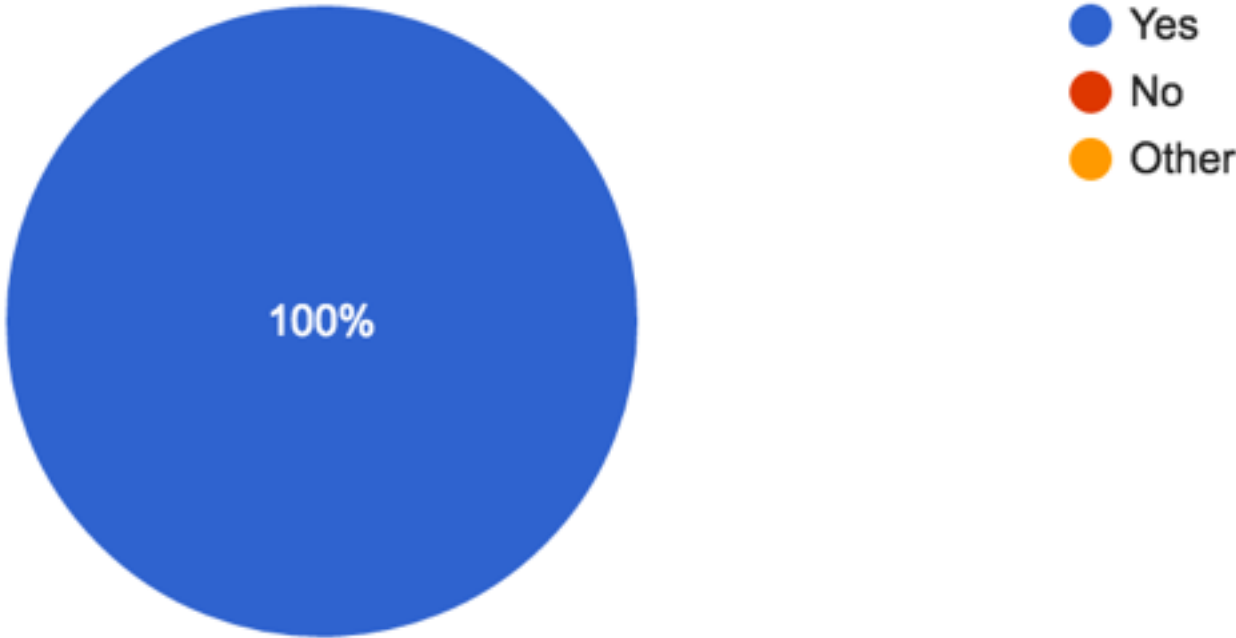
 Consistency among morning classes: maybe the organisers could have revised the slides/notebook from trainers beforehand etc

 Confusion on morning classes: focus on clear topics

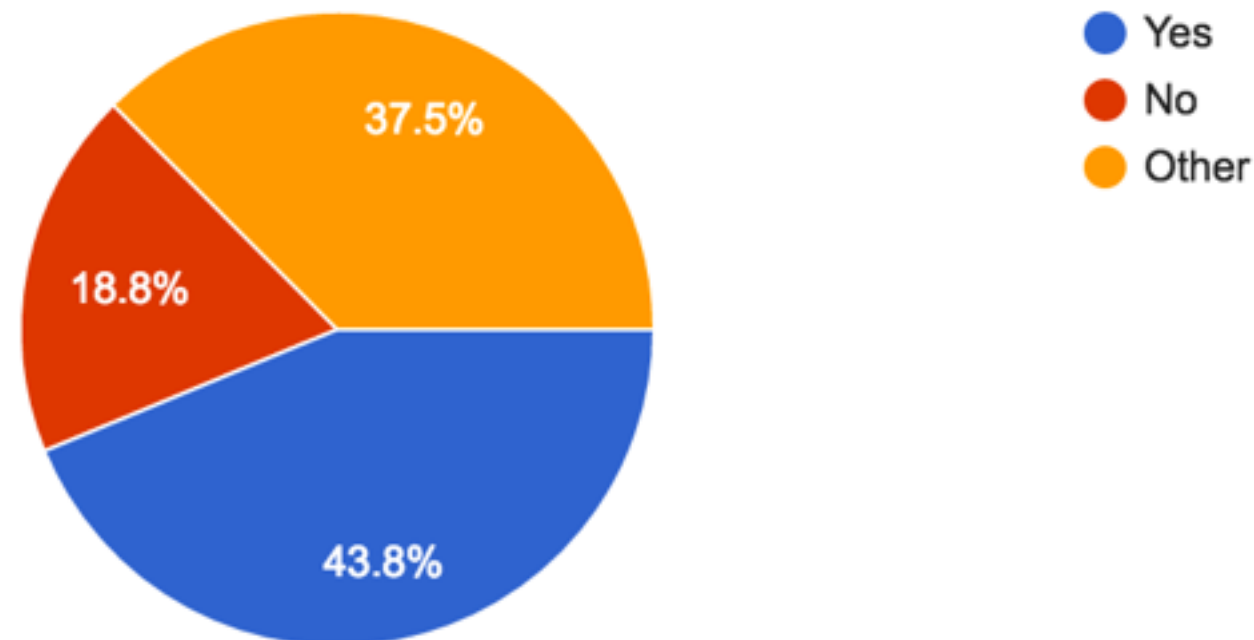
 Requirement like CodeCademy should have been discussed: there are many ways to code the same thing



Should we have more editions of the ESO Python Boot Camp? (16 responses)

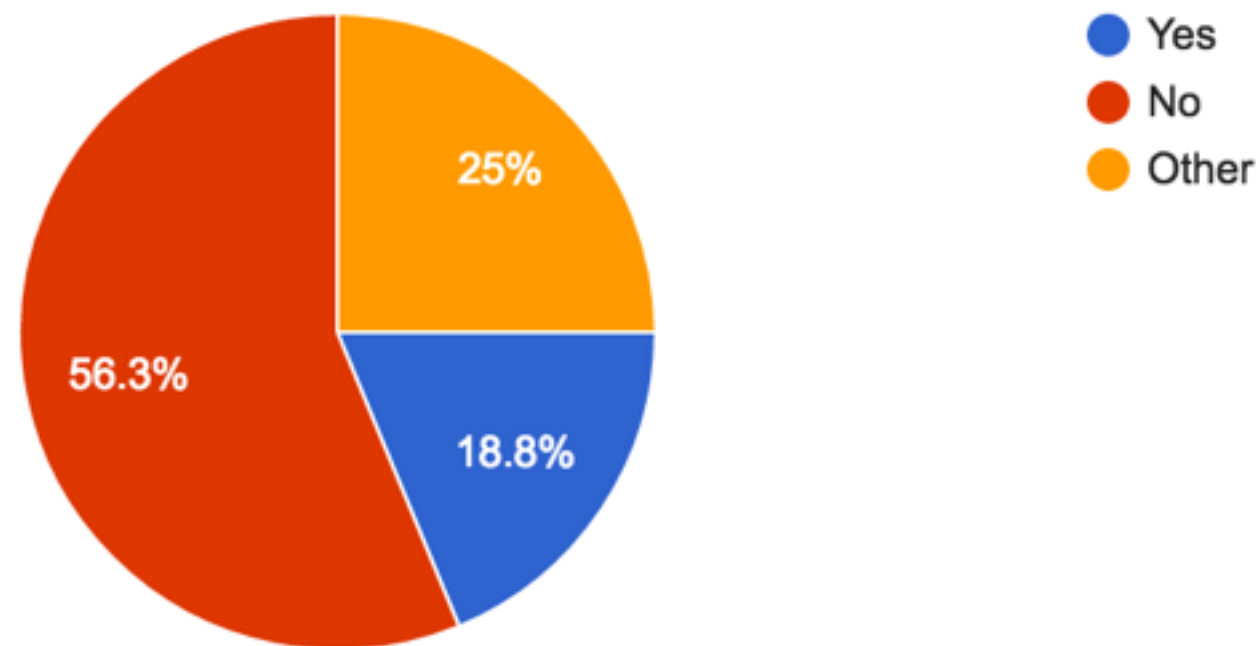


Should we open the event for all ESO and ALMA departments? (16 responses)



Yes, but be careful with the size: number of trainers ( $\sim 10$ ) and trainees ( $\sim 30$ ) was good!

Should we open the event for external participants (e.g. Chilean universities)?  
(16 responses)



Yes, but only after improving this pilot version.  
Maybe with ESO+SOCHIAS