



**Remote
Online
Sessions for
Emerging
Seismologists**

ROSES 2022 Summary

ROSES 2022 was run as an active review of select topics over 8 weeks, starting on June 27. These lessons were targeted towards advanced Ph.D. students, who have used Python before and are familiar navigating in Linux/Unix. We explored one topic every two weeks, with one overlap of a week of additional science communication content. We had multiple TAs in Slack throughout the program so that in each two-week period, questions about the material covered in the corresponding lecture and exercises could be discussed. Additionally, we hosted office hours for live questions and discussion about the material in each second week. Participants could pick and choose from the 5 topics and complete the weeks that were of interest to them.

100 students registered for one or more of the (5) office hours or (1) webinar.
56 registered for the Slack workspace.

Lecture views during ROSES 2022

- Data and Metadata 322
- Waveform Cross Correlation 187
- Digital Signal Processing 91
- ObsPy 569
- Conference Poster Design 93

The survey link was posted for the final week in Slack and emailed in two mailings to all registrants, an initial request to complete the survey and a final opportunity reminder. Seven participants participated in our exit survey.

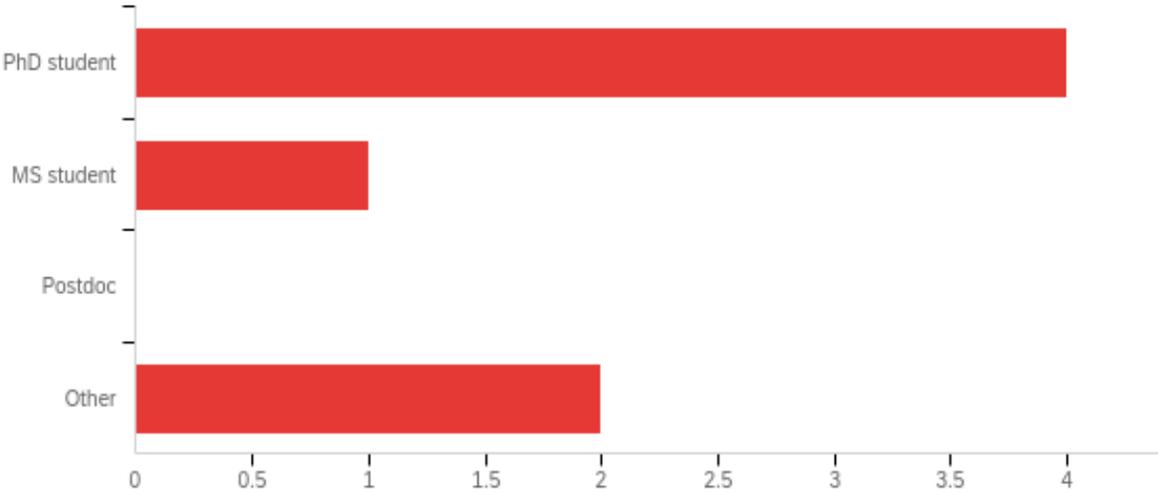
Three questions were removed from this summary for privacy. These included the following:

Q1 – Email

Q2 – University or affiliation

Q6 – State

Q3 - Which best represents you?



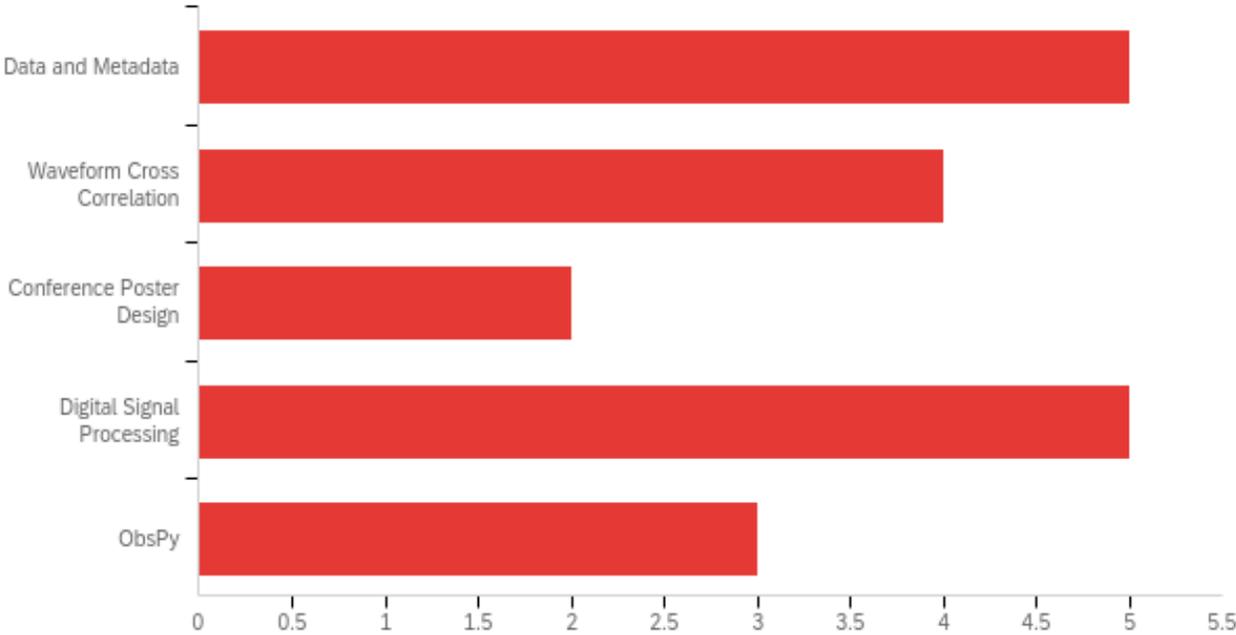
Q4 - Year in graduate school (e.g., 1st, 5th) - if graduate student

- 2nd
- 5th
- 2
- Ph.D Studnet
- 1st

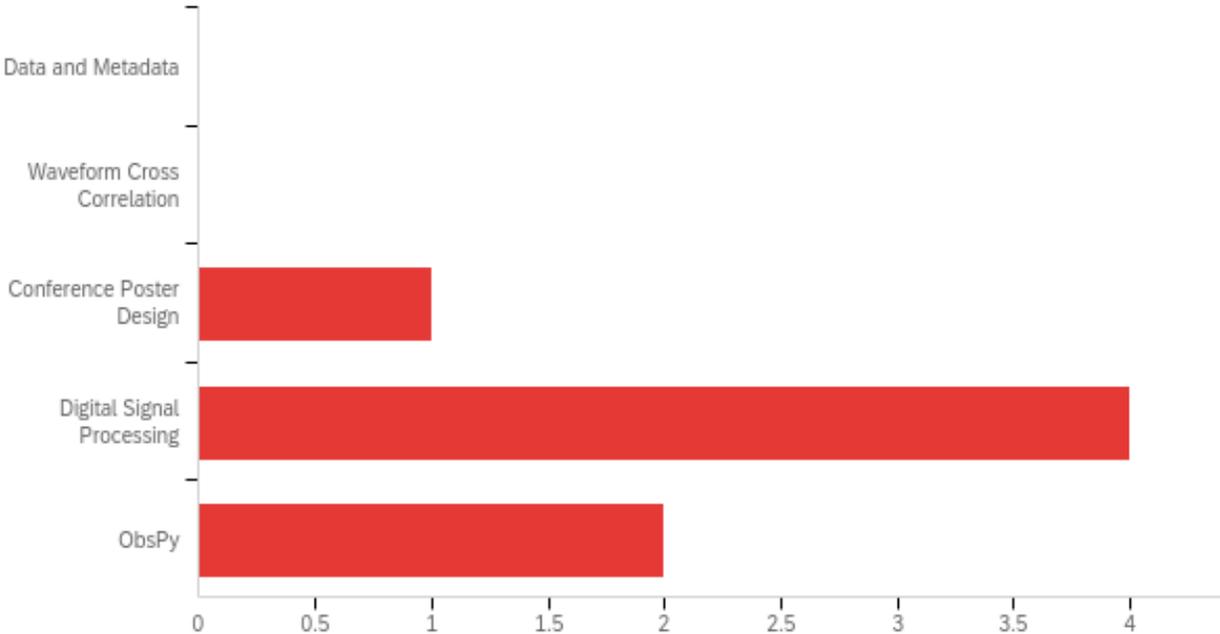
Q5 - Country

- UK
- Democratic Republic of Congo
- India
- UK
- Venezuela
- India
- Taiwan

Q7 - Select the topics that you participated in:

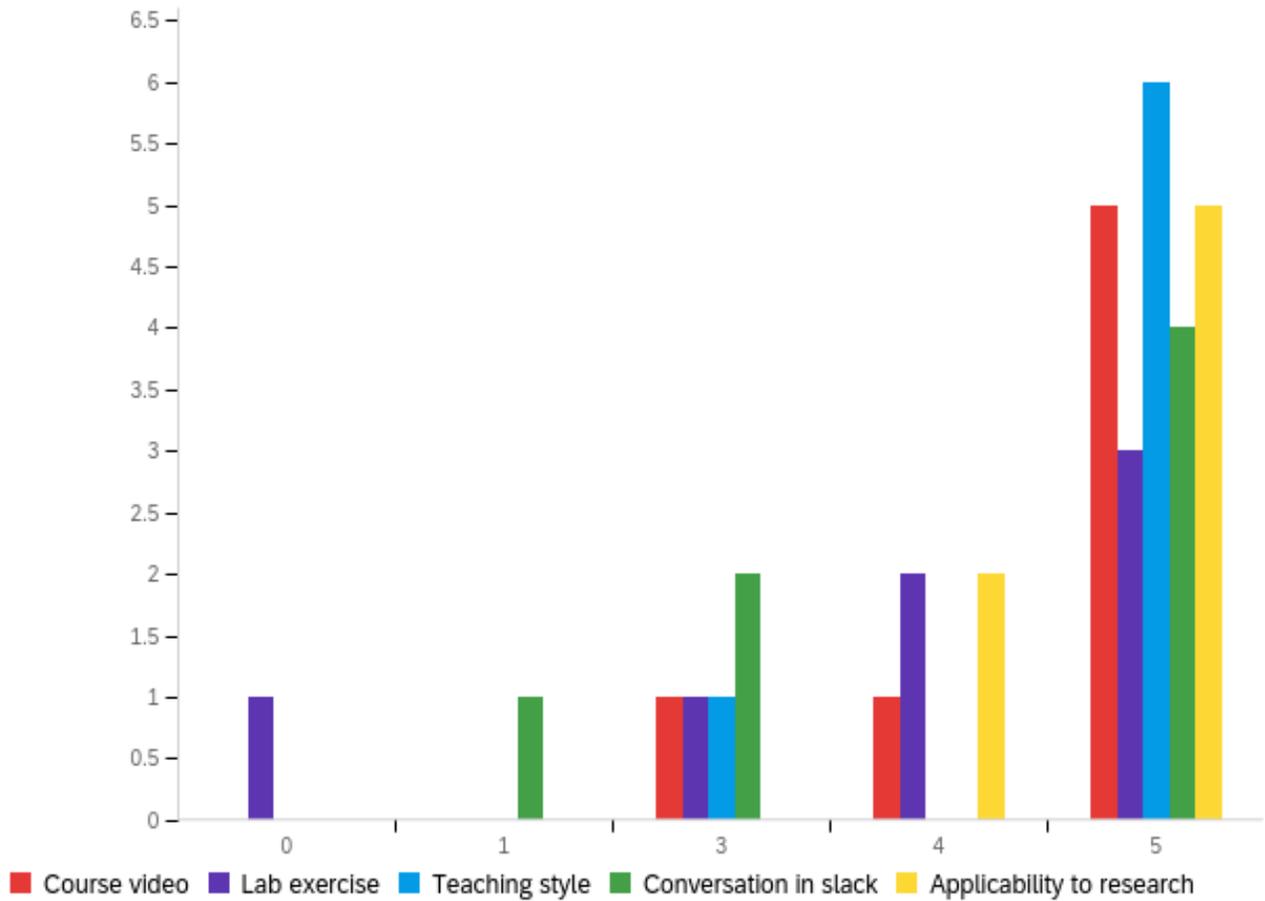


Q8 - What was your preferred topic?

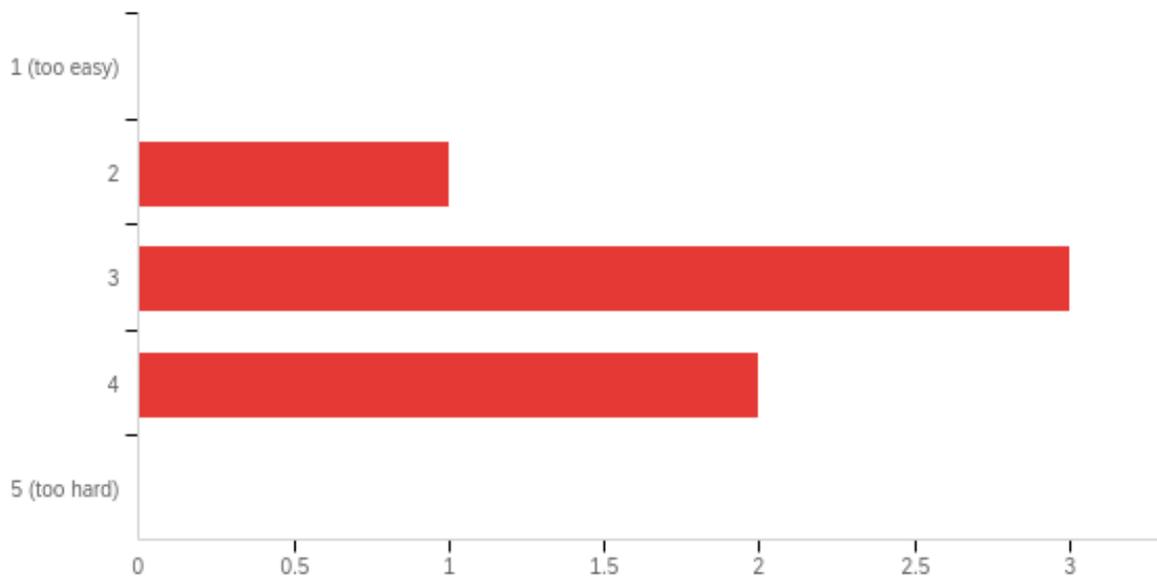


Q9 - Please rate the importance of each element for your preferred topic:

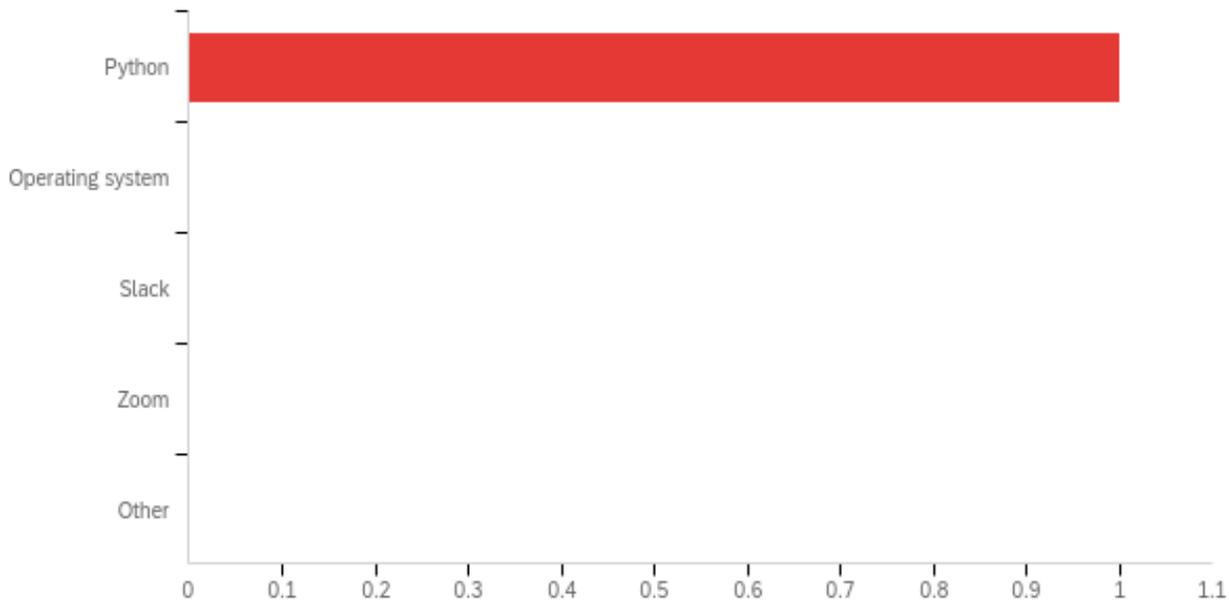
* One favored topic had no lab exercise and minimal slack content



Q10 - Do you feel the lessons were appropriate for your education level and skill set?



Q11 - Did you experience any technical difficulties during ROSES 2022? Check all that apply.



Q12 - If you check any of the boxes above, please elaborate here

The only thing which I felt was the time zone gap for office hours.

Q13 - What was the best part about ROSES 2022?

being able to go at my own pace and just do topics of interest

Discussion and explanation moment

Explanation about the topic

The conference poster design webinar was excellent - I really liked hearing about this vital aspect of communicating my research that went beyond the technical implementations of writing code etc. I'd love to see other topics along these lines in future ROSES courses. A similar session on designing a presentation or writing an abstract would be great!

Material (videos and code) with the explanation of the different topics

Content of the course.

I enjoyed it. Alec and jaiqi cleared the doubts very nicely. I would like to be in touch with them for future as well.

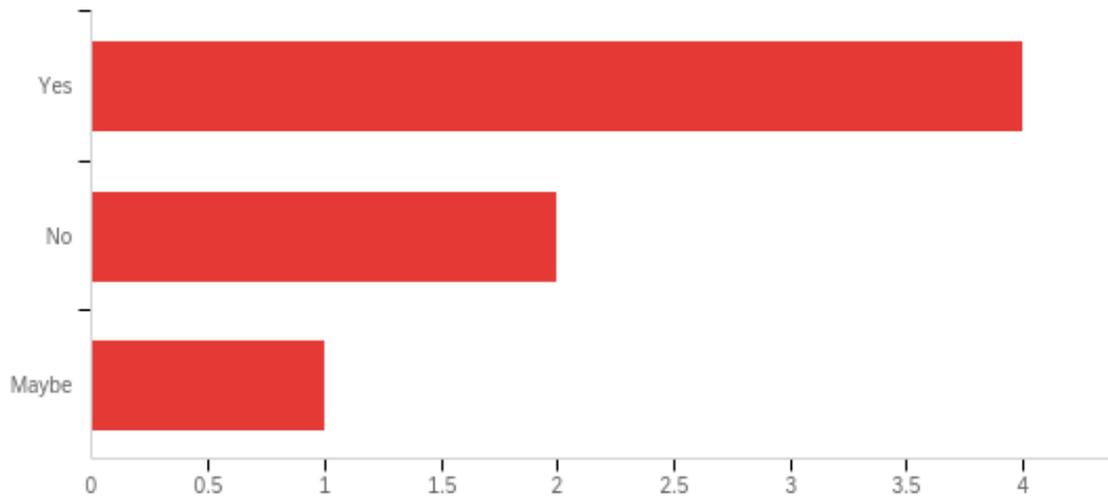
Q14 - What could have been better?

-
- Organize a graduated workshop
- More topics about seismic instrumentation
- Nothing - the "catch-up" format of this year was good, but I'm looking forward to the next full course.
- May be
- In-person training would give a better understanding of the practical or data processing.
- I think it was good.

Q15 - What topics should ROSES include in future iterations?

- Analysis and Interpretation of GPS Time Series
- Include topic about instrumentation
- Including more on the science communication side would be great.
- Machine Learning applied to seismological problems

Q16 - Would you be interested in assisting with future ROSES courses?



Q17 - If maybe or yes, please include some detail about what you would like to contribute.

I'd be interested in acting as a graduate demonstrator/aide

Guidance and advising others

Q18 - Do you have any additional feedback for the organizers or instructor team?

(this email ended up in my spam!)

Non

Excellent course congratulations!