Module evaluations- Yeast complex colonies

1) In general, what parts of this module did you enjoy the most? What parts promoted the most learning for you? I liked the use of R and all the interactive learning activities because I find it easier to understand a topic by actually practicing that concept rather than talking about it.

2) In general, what suggestions do you have for improving this module in the future? What parts did you think did not promote your learning? Everything was generally helpful, but I think it would have been good to spend a little more time talking about the biological pathways involved w/ making complex colonies (cAMP-PKA pathway) I felt like we talked a lot about pathways during the conclusion of the module but I didn't really understand the pathway very well to begin with.

3) Were the goals of the module clear? Do you feel like those goals were accomplished? Yes, the goals were clear and I appreciated that they were visible on the board during each class. I do think we accomplished those goals throughout the various class activities.

4) List 3 concepts that you will take away from this module that you did not know before.
1) Coding in R
2) The ways in which data sets can be manipulated and analyzed
3) Determining relationships between colony morphology and allelic variation in the genes of interest.

5) How did you feel about the balance of time spent on various activities- lecture, R workbook, activities, discussion? Would you increase or decrease the time allocated on any of these? I think each one had enough time dedicated to it. I think the paper discussion got a little overwhelming in the amount of questions to answer and the amount of time spent trying to answer those questions and discuss their overall meaning. A break in the discussion or a little bit of a stronger guidance to pace the discussion would have been helpful

6) Fill out the table below:

Activity	Effectiveness of implementation (1-5, one being the lowest)	Importance for your learning (rank 1-4, 1 being the least important)
Lectures	4	3
Discussion of paper	3	1
Active learning activities	4	4
R workbook	5	2

7) Did you find the active learning activities to be useful (bulk segregant, calculating distance measures, and functional enrichment)? Which ones were most effective and why? I think they were very effective tools for teaching the methods by which researchers manipulate and analyze their data sets. I think I learned most from the functional enrichment and bulk segregant activities.

8) After this module, how comfortable do you feel with R? On a scale from 1-5 how likely do you think it is that you will take a programming class in the future. Did this module increase or decrease that likelihood? I feel like I got a good introduction to R and the things it can do. I know I will be taking a stats course in the future, so the R component of this module will be very useful to me.

9) Did you feel like you had a voice in the classroom? Did anything about the module structure make you uncomfortable? No, I thought everything was good.

10) Any other thoughts you would like to share?

Nope.

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1) In general, what parts of this module did you enjoy the most? What parts promoted the most learning for you?

I enjoyed the activelearning activities the most, however I think the lectures promoted the most learning.

2) In general, what suggestions do you have for improving this module in the future? What parts did you think did not promote your learning?

The wording of particular questions created unnecessary confusion.

I did not think the paper discussion promoted my learning. ~~[illegible]~~ The information could have been better relayed in a lecture.

3) Were the goals of the module clear? Do you feel like those goals were accomplished? yes, yes

4) List 3 concepts that you will take away from this module that you did not know before.

1. a new way to use the data from a microarray with R ~~[illegible]~~

~~[illegible]~~

2.

5) How did you feel about the balance of time spent on various activities- lecture, R workbook, activities, discussion? Would you increase or decrease the time allocated on any of these?

I felt it was balanced pretty well. however, we were not allowed ~~to~~ time to read everything in the workbook and expected to ~~[illegible]~~ go straight to the coding or activity.