



H3ABioNet

Pan African Bioinformatics Network for H3Africa

Introduction to Bioinformatics course: IBT

Staff Training

Day 2 Part 5 – Tips and Tricks



H3ABioNet

Pan African Bioinformatics Network for H3Africa



Introduction to Bioinformatics online course : IBT

Kim Gurwitz

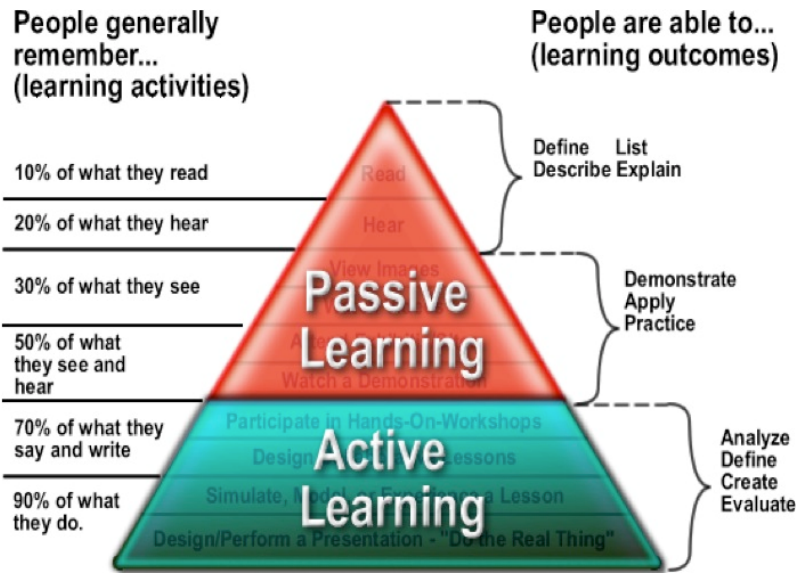
Tips and Tricks

Tips and tricks for **facilitating active learning**

Facilitating: a way of interacting, asking questions, valuing opinions, information flowing in all directions

Active learning: learning by doing

“I hear and I forget. I see and I remember. I do and I understand.” – Confucius

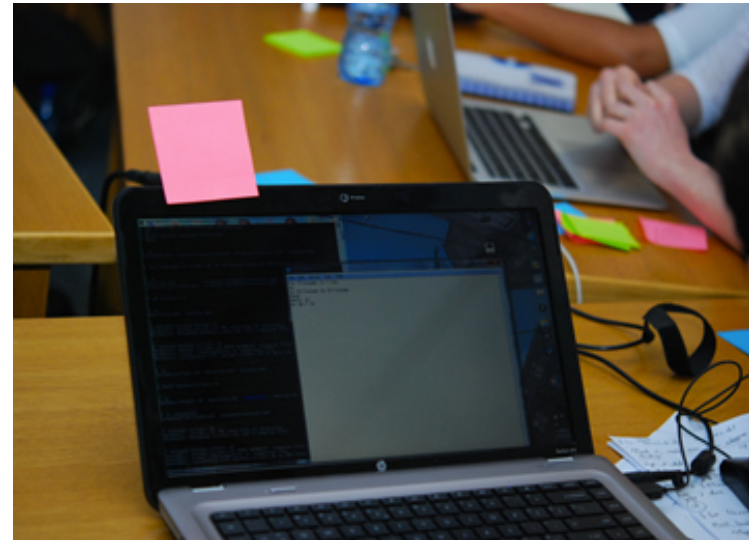
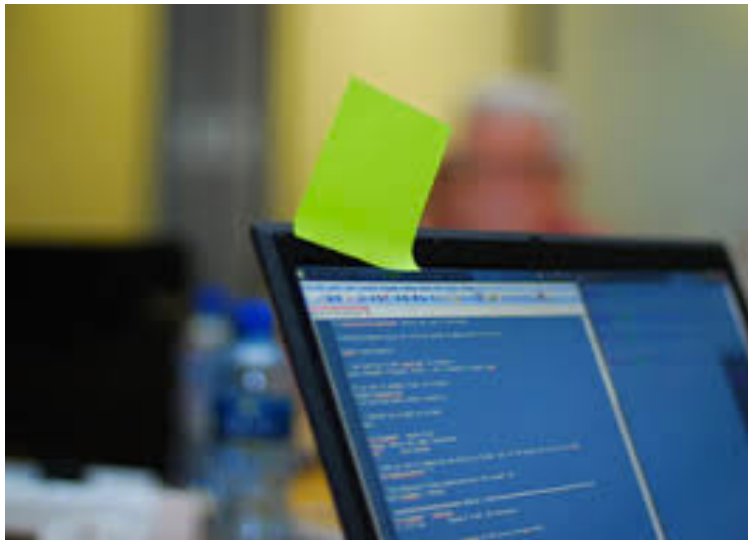


<http://www.crlt.umich.edu/tstrategies/tsal>

Tips and Tricks

1. Green and Red sticky notes

<http://swcarpentry.github.io/instructor-training/15-practices/>



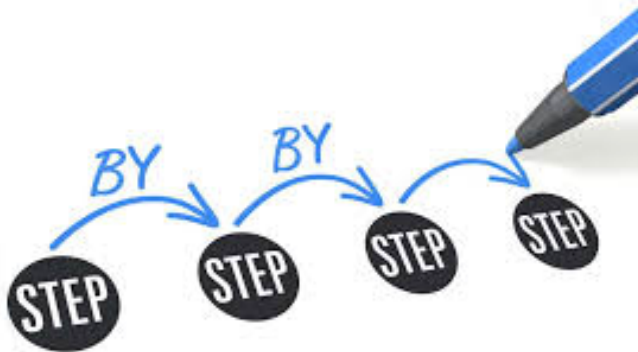
<http://www.nwu.ac.za/eresearch/news/nwu-researchers-learn-about-tools-reproducible-research>

Tips and Tricks

2. Take it slow and explain step-by-step

- The way you speak to people and answer questions matters!
- A bit of kindness and sensitivity goes a long way (remember back to when you just started out in bioinformatics...)

Motivation vs. Demotivation: <http://swcarpentry.github.io/instructor-training/16-motivation/>



Tips and Tricks

3. Gamification (for recap)

- “Make a list of concepts/keywords and write it on the whiteboard (or a flipchart). You may also have cards stuck on the wall of the classroom with terms written on them.
- Throw a light and soft object to a participant, who will have catch the object, stand up, pick a term from the list and explain its meaning (or usage) in a few sentences (not more than 20-30 seconds).
- After the explanation, the participant will throw the object to another participant. Continue until the end of the list.”

#GTPB – The Gulbenkian Training Programme in Bioinformatics #ELIXIR

– EXCELERATE Train-the Trainer subtask

https://github.com/Pfern/TtT-in-Portugal-2016/blob/master/TtT_session_2.md#games

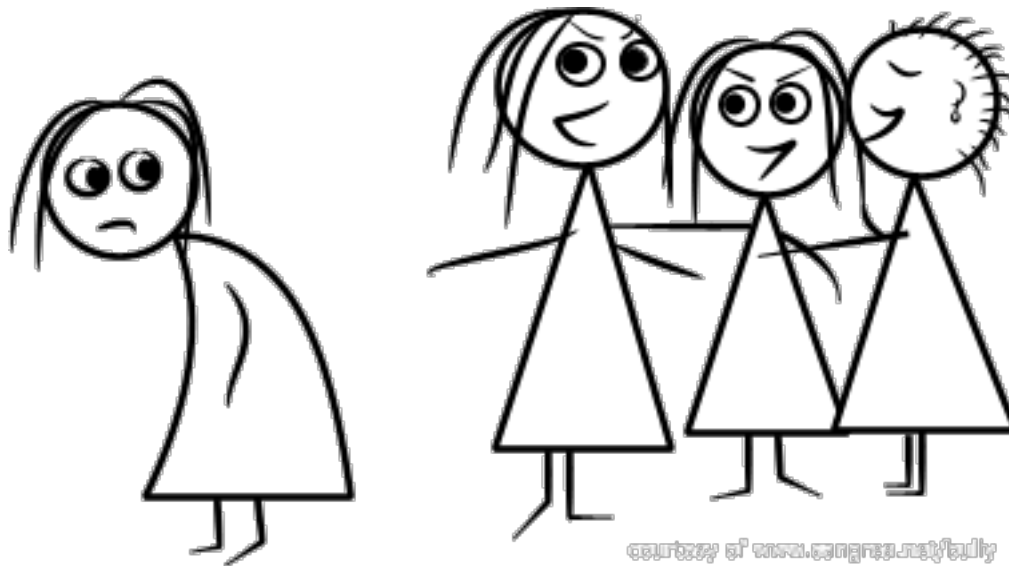
Tips and Tricks

4. Encourage more advanced participants to help people next to them.



Tips and Tricks

5. Don't 'munch in a bunch'



Tips and Tricks

For more tips and tricks:

<http://swcarpentry.github.io/instructor-training/>

<https://software-carpentry.org/blog/2016/04/tips-tricks-live-coding.html>

<https://swcarpentry.github.io/instructor-training/15-practices/>

Next

15-20 minute BREAK (system administrator to make sure Mconf is connected and projected)

Then

Watch video labeled:

Day 2 Part 6