Feedback — Module 1 Quiz

Authentication is not required for this quiz.

You submitted this quiz on **Fri 7 Aug 2015 8:25 PM PDT**. You got a score of **11.00** out of **11.00**.

Question 1

What details do some modern papers fail to provide that inhibit reproducibility?

Your Answer		Score	Explanation
⦿ What versions of software was used for the analysis	✔	1.00	
◯ Who performed the analysis			
◯ Who funded the research			
◯ Where the analysis was performed			
Total		1.00 / 1.00	

Question 2

What is reproducibility?

Your Answer		Score	Explanation
◯ Correctness			
⦿ None of these options	✔	1.00	
◯ Provenance			
◯ Reusability			

Total   1.00 / 1.00

Question 3

Why is reproducibility important?

Your Answer		Score	Explanation
⦿ It is a minimum standard to allow computational research to be reviewed and inspected	✔	1.00	
○ It guarantees that methods can be applied other types of analysis			
○ It ensures that the results of scientific research are accurate			
○ It is a requirement enforced by all peer-reviewers			
Total		1.00 / 1.00	

Question 4

Which of the following might be considered necessary to increase reproducibility in modern analysis?

Your Answer		Score	Explanation
○ Record versions and parameters used in the analysis			
○ Provide access to the primary data			
○ Computation should be considered an integral part of biomedical research and its methods recorded			
⦿ All of these options	✔	1.00	
Total		1.00 / 1.00	

Question 5

Is this challenge surmountable?

Your Answer		Score	Explanation
○ No, the data is too large for modern systems to record			
○ Yes, but only by hiring a trained bioinformatician because this is all too hard for biologists			
⦿ Yes, modern software platforms (including Galaxy) were created to help researchers meet these challenges	✔	1.00	
○ No but reproducibility in science is a secondary concern anyway			
Total		1.00 / 1.00	

Question 6

Galaxy is available as:

Your Answer		Score	Explanation
○ As a desktop application for around ~$99			
⦿ As a website that is free for everyone to use	✔	1.00	
○ As a Microsoft Surface App that is free			
○ As a complimentary service available to anyone with a subscription to Nature			
Total		1.00 / 1.00	

Question 7

How can you extend Galaxy?

Your Answer	Score	Explanation
◯ You can contribute to the Galaxy code and documentation using github		
◯ Since it's open source, you can copy it and make changes to run your own Galaxy website		
◯ You can write and share new tools		
◉ All of these options	✔ 1.00	
Total	1.00 / 1.00	

Question 8

Galaxy...

Your Answer	Score	Explanation
◯ Ensures that your analysis is performed correctly		
◯ Provides unlimited compute and storage resources for free at usegalaxy.org		
◯ Performs automated experimental design and data analysis		
◉ Provides an environment for researchers to easily use existing bioinformatic software and record and share the results	✔ 1.00	
Total	1.00 / 1.00	

Question 9

You need what to use the public Galaxy site usegalaxy.org?

Your Answer	Score	Explanation
○ Access to your own supercomputers and at least two IT professionals		
○ Large hard drives (at least 20TB)		
○ Your own data in XML format		
◉ An email account and a web browser	✔ 1.00	
Total	1.00 / 1.00	

Question 10

For analysis where usegalaxy.org does not provide appropriate computation power or tools, you can:

Your Answer	Score	Explanation
○ Run your own, local Galaxy server		
○ Use any of the ~60 other public Galaxy servers		
○ Run Galaxy on the Amazon Cloud		
◉ All of these options	✔ 1.00	
Total	1.00 / 1.00	

Question 11

Galaxy...

Your Answer	Score	Explanation
◯ Cannot be used by anyone else to start a server		
◯ Can only work on one cluster system		
◯ Can run as a server on Windows		
⦿ Is highly configurable for many types of compute infrastructure	✔ 1.00	
Total	1.00 / 1.00	