

Feedback — Module 1 Quiz

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You submitted this quiz on **Fri 7 Aug 2015 8:24 PM PDT**. You got a score of **10.00** out of **11.00**.

Question 1

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

Your Answer	Score	Explanation
<input type="radio"/> Who funded the research		
<input type="radio"/> Where the analysis was performed		
<input checked="" type="radio"/> What versions of software was used for the analysis	✓ 1.00	
<input type="radio"/> Who performed the analysis		
Total	1.00 / 1.00	

Question 2

What is reproducibility?

Your Answer	Score	Explanation
<input type="radio"/> Correctness		
<input type="radio"/> Provenance		
<input type="radio"/> Reusability		
<input checked="" type="radio"/> None of these options	✓ 1.00	

Total

1.00 / 1.00

Question 3

Why is reproducibility important?

Your Answer	Score	Explanation
<input type="radio"/> It is a minimum standard to allow computational research to be reviewed and inspected		
<input type="radio"/> It is a requirement enforced by all peer-reviewers		
<input type="radio"/> It guarantees that methods can be applied other types of analysis		
<input checked="" type="radio"/> It ensures that the results of scientific research are accurate	✗ 0.00	
Total	0.00 / 1.00	


Question 4

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

Your Answer	Score	Explanation
<input checked="" type="radio"/> All of these options	✓ 1.00	
<input type="radio"/> Computation should be considered an integral part of biomedical research and its methods recorded		
<input type="radio"/> Record versions and parameters used in the analysis		
<input type="radio"/> Provide access to the primary data		
Total	1.00 / 1.00	


Question 5

Is this challenge surmountable?

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

Question 6

Galaxy is available as:

Your Answer	Score	Explanation
<input checked="" type="radio"/> As a website that is free for everyone to use	 1.00	
<input type="radio"/> As a complimentary service available to anyone with a subscription to Nature		
<input type="radio"/> As a desktop application for around ~\$99		
<input type="radio"/> As a Microsoft Surface App that is free		
Total	1.00 / 1.00	

Question 7

How can you extend Galaxy?

Your Answer	Score	Explanation
<input type="radio"/> You can contribute to the Galaxy code and documentation using github		
<input type="radio"/> Since it's open source, you can copy it and make changes to run your own Galaxy website		
<input type="radio"/> You can write and share new tools		
<input checked="" type="radio"/> All of these options	✓ 1.00	
Total	1.00 / 1.00	

Question 8

Galaxy...

Your Answer	Score	Explanation
<input checked="" type="radio"/> Provides an environment for researchers to easily use existing bioinformatic software and record and share the results	✓ 1.00	
<input type="radio"/> Provides unlimited compute and storage resources for free at usegalaxy.org		
<input type="radio"/> Ensures that your analysis is performed correctly		
<input type="radio"/> Performs automated experimental design and data analysis		
Total	1.00 / 1.00	

Question 9

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

Your Answer	Score	Explanation
<input type="radio"/> Large hard drives (at least 20TB)		
<input type="radio"/> Your own data in XML format		
<input checked="" type="radio"/> An email account and a web browser	✓ 1.00	
<input type="radio"/> Access to your own supercomputers and at least two IT professionals		
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
<input type="radio"/> Run your own, local Galaxy server		
<input type="radio"/> Use any of the ~60 other public Galaxy servers		
<input type="radio"/> Run Galaxy on the Amazon Cloud		
<input checked="" type="radio"/> All of these options	✓ 1.00	
Total	1.00 / 1.00	

Question 11

Galaxy...

Your Answer	Score	Explanation
<input type="radio"/> Can only work on one cluster system		
<input type="radio"/> Can run as a server on Windows		
<input checked="" type="radio"/> Is highly configurable for many types of compute infrastructure	✓ 1.00	
<input type="radio"/> Cannot be used by anyone else to start a server		
Total	1.00 / 1.00	