

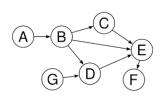
12/12 questions correct

Quiz passed!

Back to Week 1

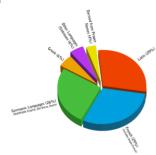
1. Which of the following are graphs? (check all that apply)





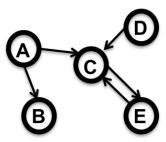
Well done!





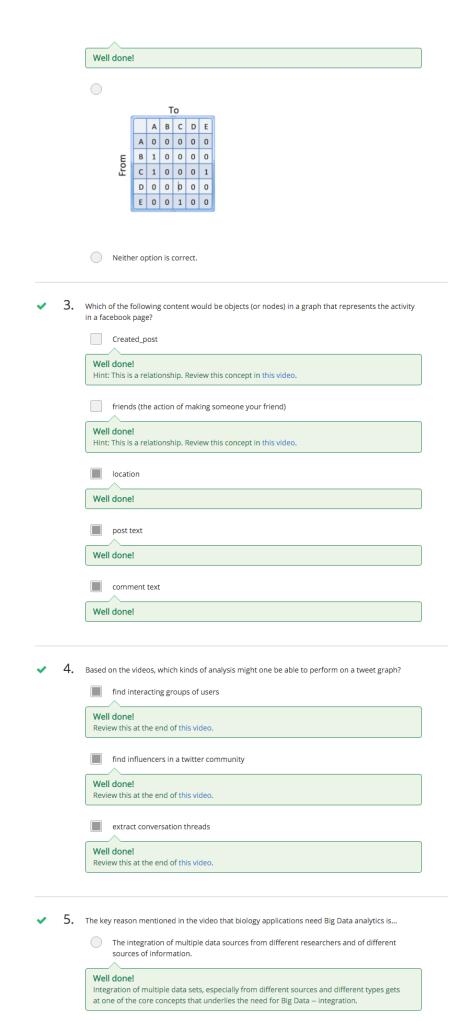
Well done!
Hint: Graphs do NOT show a mapping of categories to data. Review this concept in this video.

2. Which of the following is the correct adjacency matrix for this graph?





| | | | Т | o | | |
|------|---|---|---|---|---|---|
| | | Α | В | С | D | Ε |
| | Α | 0 | 1 | 1 | 0 | 0 |
| Ē | В | 0 | 0 | 0 | 0 | 0 |
| From | С | 0 | 0 | 0 | 0 | 1 |
| | D | 0 | 0 | 1 | 0 | 0 |
| | Ε | 0 | 0 | 1 | 0 | 0 |



| | | The new use of computational techniques to explore new areas of biology research more quickly than can be done with "live" or wetlab experiments. | |
|----------|-------------|---|--------|
| | | The complexity of interactions that correlate to inform phenotypes. | |
| ~ | 6. | Which of the Vs BEST describes the result in constant increasing in the number of edges in a sometimes causing challenges in knowing when one has found "an answer" to one's analysis question? | |
| | | Variety | |
| | | Velocity | |
| | | Well done! | |
| | | Valence | |
| | | Volume | |
| • | 7. | Which of the Vs results in increased algorithmic complexity (which can cause analyses to not able to finish running in reasonable amounts of time)? | be |
| | Valence | | |
| | | Volume | |
| | Well done! | | |
| | O Major | | |
| | | Variety Velocity | |
| | | Velocity | |
| ~ | 8. | Which of the Vs results in challenges due to graphs created from varying kinds, formats, sour and meanings of data? Volume | rces, |
| | | Variety | |
| | Well done! | | |
| | | | |
| | | Velocity | |
| | | Valence | |
| ~ | y 9. | Which of the Vs causes increased interconnectivity of a graph which can cause problems in analysis due to density? | |
| | | Variety | |
| | | Volume | |
| | | Valence | |
| | | Well done! | |
| | | Velocity | |
| | | | |
| ~ | 10. | . Updating a graph with a stream of posting information on facebook is an example of which σ Vs? | of the |
| | | Velocity | |
| | | Well done! | |
| | | Volume | |
| | | Variety | |
| | | Valence | |
| | | | |

| | Valence | | | | | |
|------------------|--|--|--|--|--|--|
| We | ll done! | | | | | |
| | Velocity | | | | | |
| | Variety | | | | | |
| | Volume | | | | | |
| | | | | | | |
| | II done! | | | | | |
| \A/e | | | | | | |
| Tha | nks for thinking about this! Research shows that effortfully reflecting on how nething applies to your interests helps you in remembering and understanding new terial better! | | | | | |
| Tha sor ma | nks for thinking about this! Research shows that effortfully reflecting on how nething applies to your interests helps you in remembering and understanding new | | | | | |

 \bowtie