Week 1 Quiz

TOTAL POINTS 10

1. Which kind of visualization would you use to try to answer a personal question about your data? 1 point

- (•) Interactive visualization
- ( ) Interactive storytelling
- ( ) Presentation visualization

2. Which kind of visualization would you use to share a discovery about your data with your colleagues in a slide show? 1 point

- ( ) Interactive visualization
- (•) Presentation visualization
- ( ) Interactive storytelling

3. Which kind of visualization would you use to create a web page that allows viewers to see a visualization of data that you prepared, but also allows the viewer to further investigate the data? 1 point

- ( ) Presentation visualization
- (•) Interactive storytelling
- ( ) Interactive visualization

4. In what order does a data visualization graphics pipeline process information? 1 point

- ( ) Rasterization, then vertex processing, then pixel processing
- ( ) Rasterization, then pixel processing, then vertex processing
- ( ) Vertex processing, then pixel processing, then rasterization

- [x] Vertex processing, then rasterization, then pixel processing
- [ ] Pixel processing, then rasterization, then vertex processing
- [ ] Pixel processing, then vertex processing, then rasterization

5. How many items can human working memory (short-term memory) typically hold? 1 point

- [x] 3–7 items
- [ ] 30–70 items
- [ ] 300–700 items

6. A light gray box drawn on top of a dark gray background will make the light gray box appear _____. 1 point

- [x] Brighter
- [ ] The same as it appears on a white background
- [ ] Darker

7. When visualizing data, you should keep your eyes focused on one point for the entire duration of the visualization. 1 point

- [ ] True, because your visual system will better detect any changes to datapoints during the visualization.
- [x] False, because your visual system will play tricks on your perception of the data.

8. On which of these colors does the human eye have the most difficulty focusing? 1 point

- [x] Blue
- [ ] Yellow
- [ ] Green

- ○ Red

9. Which one of the 3-D depth cues below is the strongest? 1 point

- ○ Occlusion
- ○ Shadowing
- ◉ Lighting
- ○ Stereopsis

10. Given a plot of life expectancy based on country and birth year, you look up your country and birth year, find the displayed life expectancy, and conclude you will probably live that long. This is an example of _____. 1 point

- ○ Deductive reasoning
- ○ Inductive reasoning
- ○ Abductive reasoning
- ◉ Subductive reasoning

☐ I, **BAL KRISHNA NYAUPANE**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

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