



If you are not looking at the

# Big Data ... you are not seeing the Big Picture



## How well do you know “Big Data?”

Take this simple quiz on information from the ARVO Online Education Course **Big data: Current status and future directions**.

1. Which of the following is not one of the five V’s that define “Big data”?

- a. volume
- b. variety
- c. volatility
- d. variability

2. Which of the following is a known problem with clinical registry data?

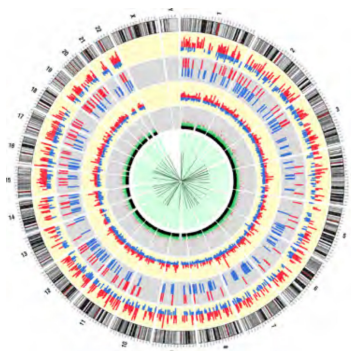
- a. incomplete data
- b. inconsistent data
- c. inaccurate data
- d. all of the above

3. Which of the following is not a use for “Big data?”

- a. toolkit
- b. outcome
- c. platform
- d. foundation for further study

4. What type of data visualization is represented in the image to the right?

- a. circos plot
- b. scatter plot
- c. voronoi diagram
- d. force layout



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6. What can you accomplish by studying genetic data extracted from electronic medical records (EMR)?

- a. identify high-risk individuals who might benefit from early treatment
- b. find new targets for therapy
- c. improve prognosis and response predictions
- d. all of the above

Answers: 1 (c) volatility is incorrect. Velocity and variety are the missing Vs; 2 (d) all of the above; 3 (b) Big data is not an outcome. It's a means to an outcome; 4 (a) circos plot; 5 (c) voronoi diagram; 6 (d) all of the above.

**Score:** 5-6 correct (you're a big data expert); 3-4 correct (take the “Big data” Online Education course to stay current in research analysis); 0–2 correct (complete the “Big data” online education course before you do any research).