

Competition Corner: Data Boundaries

g11_u08_w31

Original fictional information-card challenges. No risk or health determination is implied.

Challenge 21. Three fictional cards list concentration-time pairs 0.50 units for 10 h, 1.25 units for 4 h, and 2.00 units for 2 h. Calculate all three simple products and rank them. Explain why the rank is not a health-risk ranking. Name two missing variables.

Challenge 22. A fictional data table compares two locations, but the first has 40 measurements in one season and the second has 4 measurements in another season. Write two representation/causality limitations and propose one more data column or collection detail that would strengthen a future paper-data comparison.