

REPRESENT PRACTICE QUIZ

This practice quiz is designed to help students assess their understanding of the Mine stage.

Represent Q1	Factual Knowledge
Question Type	True/False
Topic	Data Pre/post Processing
Question	The represent stage is a linchpin that informs the single most important decision in a visualization project. It can make you rethink earlier stages.
Correct Answer	Answer Options
	[a] True
X	[b] False
Brightspace	
Grading Method	Points earned for correct answer only.
Points	2

Represent Q2	Conceptual Knowledge
Question Type	True/False
Topic	Data Pre/post Processing
Question	How you choose to represent data can influence the very first step (what you acquire) and the previous step (what particular pieces you extract).
Correct Answer	Answer Options
X	[a] True
	[b] False
Brightspace	
Grading Method	Points earned for correct answer only.
Points	3

Represent Q3	Conceptual Knowledge
Question Type	Multiple Selection (M-S)
Topic	Data Pre/Post Processing
Question	Select what you "Should know how to do" in the REPRESENT stage. Check all that apply.
Correct Answer	Answer Options
X	[a] Determine if additional data or more specific data is needed.
X	[b] Describe what happens in the REPRESENT stage.
	[c] Implement procedure(s) to extract and normalize data (if needed)
X	[d] Describe what stages are impacted by the represent stage.
Brightspace	
Grading Method	Points earned for correct answer only.
Points	1

Represent Q4	Conceptual Knowledge
Question Type	True/False
Topic	Data Pre/post Processing
Question	Data Checking is crucial
Correct Answer	Answer Options
X	[a] True
	[b] False
Brightspace	
Grading Method	Points earned for correct answer only.
Points	3

Represent Q5	Conceptual Knowledge
Question Type	True/False
Topic	Data Pre/post Processing
Question	Data Checking is a complex problem to solve, but it is unlikely data can be wrong or in a different format than we expect.
Correct Answer	Answer Options
	[a] True
X	[b] False
Brightspace	
Grading Method	Points earned for correct answer only.
Points	2

Represent Q6	Conceptual Knowledge
Question Type	Multiple Selection (M-S)
Topic	Data Pre/Post Processing
Question	When searching for errors and mistakes in a dataset, there can be potential problems. Check all that apply that can be considered a potential problem.
Correct Answer	Answer Options
X	[a] lack or excess of data
X	[b] odd patterns in distributions
X	[c] inconsistent labels, misspellings, and errors in punctuation
X	[d] missing values
X	[e] outliers, invalid values, and extreme values.
Brightspace	
Grading Method	Points earned for correct answer only.
Points	1

Represent Q7	Conceptual Knowledge
Question Type	Multiple Selection (M-S)
Topic	Data Pre/Post Processing
Question	The basic rule for data checking is (check all that apply)
Correct Answer	Answer Options
X	[a] Check often
	[b] Check once
X	[c] Check early
	[d] Don't check
Brightspace	
Grading Method	Points earned for correct answer only.
Points	2