

Quiz 2: Spatial Primitives

Due Sep 8 at 4:15pm

Points 15

Questions 6

Available Sep 7 at 4:15pm - Sep 8 at 4:15pm 24 hours

Time Limit 60 Minutes

This quiz was locked Sep 8 at 4:15pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	31 minutes	13 out of 15

Score for this quiz: **13** out of 15
Submitted Sep 7 at 9:40pm
This attempt took 31 minutes.

You Answered

Correct Answer

Question 1

0 / 2 pts

MODIS, LANDSAT, and ASTER are examples of...

☒ LiDAR

☐ Global Datasets

☐ Vector Data

☐ In-situ Data Collection

Question 2

2 / 2 pts

You can convert between vector data models and raster data models in GIS software.

Correct!

☒ True

☐ False

Question 3

2 / 2 pts

Coordinate pairs are to _____ as grid cells are to _____.

Correct!

☒ vectors: rasters

☐ 2D maps: 3D maps

☐ ArcGIS Pro: QGIS

☐ coordinate systems: map projections

Question 4

2 / 2 pts

Each grid cell in a raster contains a single value.

Correct!

☒ True

☐ False

Question 5**5 / 5 pts**

In your own words (and full sentences), define *discrete* and *continuous* data.

Provide one example of data that could be represented using discrete data, and one example of data that could be represented using continuous data.

Your Answer:

Discrete data is any data that can be counted which is always in absolute whole numbers, an example of this would be counting how many hats a person owns. As it isn't possible for a person to own half a hat, so this example would fall under the discrete data category. While continuous data is any data that can be measured, because it is ever-changing (hence the name continuous) it usually includes floating point numbers, an example of continuous data would be sensory data collected about the different changes in temperature a particular refrigerator undergoes in a day or the speed of a car, as these are things we can measure.

see Catcourses discussion post about defined boundaries

Question 6**2 / 2 pts**

Which of the following CAN be used as a unique identifier?

- ☐ Blood Type
- ☐ Locker Combination
- ☐ City, State

Correct!

- ☒ UC Merced Student ID Number
- ☐ First Name, Last Name
- ☐ First Name, Middle Name, Last Name

Quiz Score: **13** out of 15