Started on
State
Completed on
Time taken
Grade
Thursday, 10 October 2024, 1:19 PM
Finished
Thursday, 10 October 2024, 1:25 PM
5 mins 45 secs
19.00 out of 20.00 (95%)

### Question 1

Correct

Mark 2.00 out of 2.00

#### WGS84...

- a. Is a datum for representing the shape of the earth that was defined by creating a bounding box around the Earth and then computing the difference with the Earth's real shape.
- b. Is an ellipsoid defined by the World Geodetic System in 1984. 

  ✓
- $\bigcirc$  c. A <u>color</u> scheme for representing the Earth's shape.
- O d. Is an approximation to the shape of the Earth and is exactly the same as the ED50 system used in the USA.

Your answer is correct.

### Question 2

Partially correct

Mark 1.00 out of 2.00

There are different types of geographical phenomena, and these are represented in different ways.

Associate the following phenomena with their most appropriate representation.



Your answer is partially correct.

You have correctly selected 2.

Question 3				
Correct				
Mark 2.00 out of 2.00				
The Equirectangular projection				
a. It a conical projection				
○ c. Does not create distortion				
od. Preserves the central points but distorts the edges to preserve the area				
Your answer is correct.				

# Question 4

Correct

Mark 2.00 out of 2.00

There are different topology geographical representations, besides the traditional cartogram. Associate the following idioms with their description.

Distorts the area according to the data under representation with a visual discontinuity between the items, while maintaining the original spacial organization

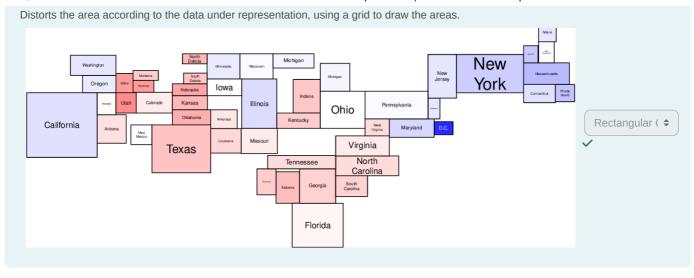


Non-contiguo \$

Relies a set of circles in the approximate positions to the geographical data items under representation



Circular carto \$



Your answer is correct.

# Question 5

Correct

Mark 2.00 out of 2.00

Bundles are a great mechanism...

- $\, ullet$  a. To enhance the interpretation of path-based representations as an alternative to path density  ${oldsymbol \checkmark}$
- b. As an alternative to binning in dot maps
- oc. For grouping adjacent areas in geographical representations
- $\bigcirc$  d. To integrate in choropleths, enhancing their effectiveness

Your answer is correct.

# Question 6

Correct

Mark 2.00 out of 2.00

### The mercator projection

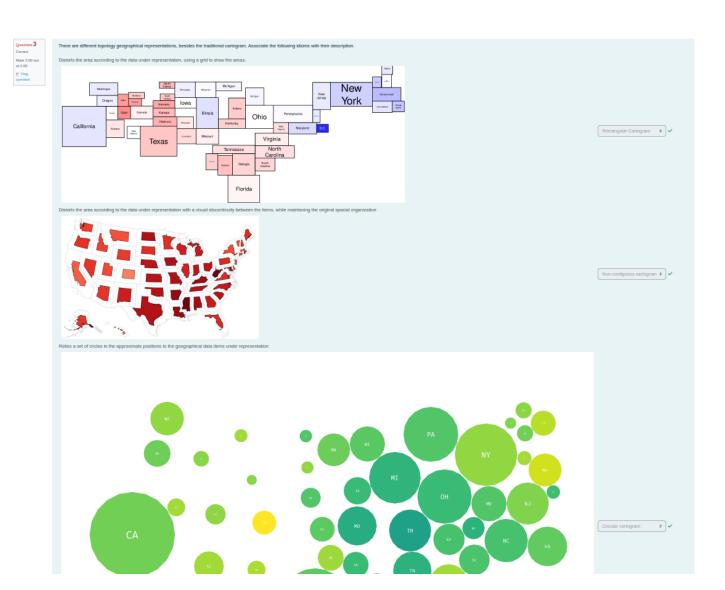
- a. Is the same as the Lambert Cylindrical projection.
- b. Preserves the area
- $\, \odot \,$  c.  $\,$  Preserves the form, making the poles look larger than they actually are.  $\checkmark$
- od. Is very rarely used

Your answer is correct.

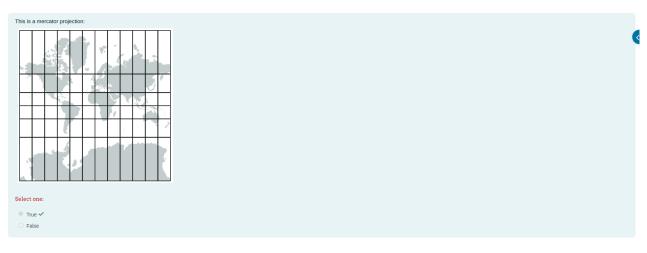
Question <b>7</b>			
Correct			
Mark 2.00 out of 2.00			
Point maps			
<ul><li>a. Show items of interest as points in a map, relying on density for drawing the user's attention.</li></ul>			
<ul> <li>b. Are maps in which data items are represented as points - and when we're talk about points we exclude other shapes such as squares or even other idioms used in tandem.</li> </ul>			
<ul> <li>c. Show items of interest as points in a map and work better when more than 7 colors are used to represent different categories in the same map</li> </ul>			
d. Show distribution of items over time			
Your answer is correct.			
Tour answer is correct.			
Question 8 Correct			
Mark 2.00 out of 2.00			
Do dot maps have scalability issues that may prevent them from being appropriate for huge datasets?			
<ul> <li>a. Yes, but there are solutions such as converting them to treemaps or node-link diagrams.</li> </ul>			
○ b. Not really, no.			
$\odot$ c. Yes, but there are solutions such as relying on derived measures, clustering and binning. $\checkmark$			
d. Yes, so they should be avoided altogether.			
Your answer is correct.			
Question 9			
Correct Mark 2.00 out of 2.00			
Millin 2.00 Out of 2.00			
Match the type of projection with its description.			
materi the type of projection with its description.			
Azimuthal Preserves direction from a c ♦ ✓			
Conform Preserves shape			
Equal-area Preserves area \$			
Your answer is correct.			

Your answer is correct.

Question 10			
Correct			
Mark 2.00 out of 2.00			
Chrolopleth maps			
a. Rely on coloring areas according to the dataset to avoid perception distortion			
$\odot$ b. Have some pitfalls in terms of perception distortion and may indeed hinder information interpretation $\checkmark$			
c. Are point-based geographical representations			
od. Rely on lines to depict important paths in data			







Question 8 Correct Mark 2.00 out of 2.00 Y Flag question	Point maps  a. Show items of interest as points in a map and work better when more than 7 colors are used to represent different categories in the same map  b. Show distribution of items over time  c. Show items of interest as points in a map, relying on density for drawing the user's attention.   d. Are maps in which data items are represented as points - and when we're talk about points we exclude other shapes such as squares or even other idioms used in tandem.	
	Your answer is correct.	
Question 6 Correct Mark 2.00 out of 2.00 F Flag question	Bundles are a great mechanism  a. For grouping adjacent areas in geographical representations  b. To enhance the interpretation of path-based representations as an alternative to path density   c. As an alternative to binning in dot maps  d. To integrate in choropleths, enhancing their effectiveness	<
	Your answer is correct.	
Question 7 Correct Mark 2.00 out of 2.00 Y Flag question	Do dot maps have scalability issues that may prevent them from being appropriate for huge datasets?  a. Yes, but there are solutions such as relying on derived measures, clustering and binning.  b. Not really, no. c. Yes, so they should be avoided altogether. d. Yes, but there are solutions such as converting them to treemaps or node-link diagrams.	
	Your answer is correct.	
Question 1 Correct Mark 2.00 out of 2.00 P: Flag question	The mercator projection  ② a. Preserves the form, making the poles look larger than they actually are. ✓  ○ b. Is the same as the Lambert Cylindrical projection.  ○ c. Is very rarely used  ○ d. Preserves the area	
	Your answer is correct.	
		_
Question 4 Correct Mark 2.00 out of 2.00  P Flag question	Match the type of projection with its description.  Conform Preserves shape   Azimuthal Preserves direction from a r   Equal-area Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area      Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area     Azimuthal Preserves area      Azimuthal Preserves area      Azimuthal Preserves area      Azimuthal Preserves area     Azimuthal Preserves area      Azimuthal Preserves area      Azimuthal Preserves area      Azimuthal Preserves area      Azimuthal Preserves area      Azimuthal Preserves area       Azimuthal Preserves area       Azimuthal Preserves area	<
	Your answer is correct.	