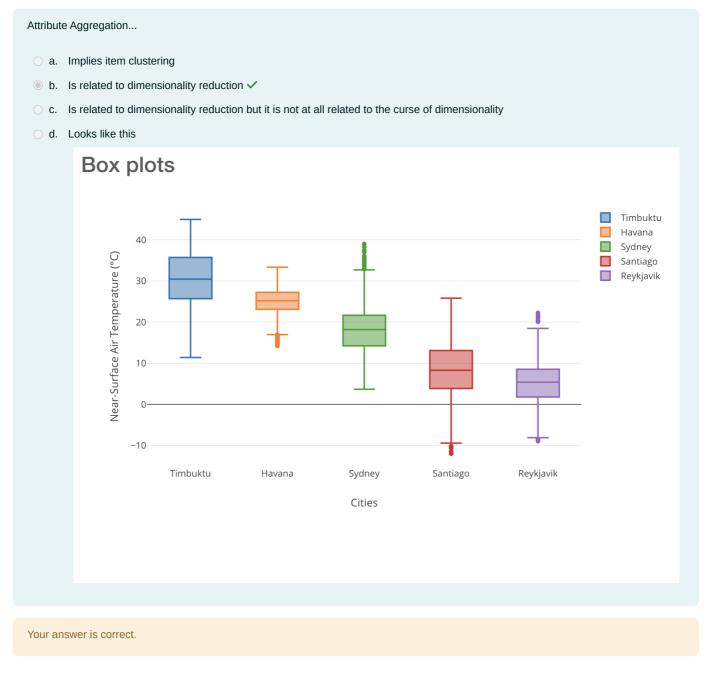
	Thursday, 24 October 2024, 2:32 PM	
	Finished	
	Thursday, 24 October 2024, 2:35 PM	
	2 mins 59 secs	
	17.00/20.00	
Grade	8.50 out of 10.00 (85 %)	
Question 1 Correct		
Mark 2.00 out of 2.00		
Principal Compone	nt Analysis (PCA)	
 a. Transforms a large set of variables into a smaller set that contains most of the original information 		
b. Aims at finding components that minimize the variance of data		
○ c. Is an algorithm for item reduction		
od. Does not y	ield great results due to the curse of dimensionality	
~,		
Your answer is corr	ect.	
Question 2		
Correct		
Mark 2.00 out of 2.00		
When dealing with	complex data, which one is NOT an example of Attribute Reduction?	
a. Slice		
Ob. Cut		
o. <u>Project</u>		
d. Zoom ✓		
Your answer is correct.		

Question 3
Correct

Mark 1.00 out of 1.00



Question **4**

Correct

Mark 2.00 out of 2.00

Heatmaps may be seen as an example of item aggregation.

Select one:

● True ✓

False

Question 5		
Correct		
Mark 2.00 out of 2.00		
Scenario 1: you make a batch of cookies, with 4 different colors (red, green, blue, yellow). You have 4 categories.		
Scenario 2: you make a batch of cookies, with 4 different colors, 4 shapes, 4 sizes and 4 toppings. Now you have 4*4*4=256 categories.		
and so on		
So, when dealing with data that has a very large number of variables, you often are faced with		
		
○ b. Zipf's Law		
○ c. TF-IDF		
○ d. Nielsen's Heuristics		
U. NICISCITO FICUISTICS		
Your answer is correct.		
,		
Question 6 Correct		
Mark 1.00 out of 1.00		
Projection may be seen as an example of attribute aggregation.		
Select one:		
True ✓		
O False		
o 7		
Question 7 Incorrect		
Mark 0.00 out of 2.00		
When dealing with complex data, which is NOT an example of Item Reduction?		
When dealing with complex data, which is NOT an example of Item Reduction?		
o a. Constrained		
o c. Slice		
Od. Zoom		
Your answer is incorrect.		

Question 8 Correct		
Mark 2.00 out of 2.00		
Which is usually NOT an example of item aggregation?		
o a. Clustering		
o b. Histograms		
Od. Boxplots		
Your answer is correct.		
Question 9		
Correct		
Mark 1.00 out of 1.00		
When evaluating utility in InfoVis		
\odot a. We must get user feedback to find out whether our Vis provides new insights on data \checkmark		
○ b. We must measure time, errors, etc.		
o. We will gather insights on efficiency and user satisfaction		
○ d. The think aloud protocol is not a good idea		
Your answer is correct.		
Question 10		
Correct		
Mark 2.00 out of 2.00		
There are two main methods of interface evaluation		
There are two main methods of interface evaluation		
 a. Empirical, which relies on predictive models, and analytical, which relies on users 		
c. Empirical, which relies on experts, and analytical, which relies on users		
od. Empirical, which doesn't involve users, and analytical, which does.		
Your answer is correct.		

24/24, 2:36 P	PM Practice 11: Attempt review Interaction and Graphics	
Question 11		
Correct		
Mark 2.00 out of 2.00		
Which is	NOT a type of evaluation?	
a.	Predictive Evaluation	
b.	Zipf's Evaluation ✓	
o. Empirical Evaluation		
	Heuristic <u>Evaluation</u>	
Your ans	wer is correct.	
Question 12		
Incorrect Mark 0.00 out of 1.00		
Wark 0.00 da		
Does it n	nake sense to use Predictive Evaluation in InfoVis?	
o a.	No. A technique justification should be used instead.	
b. Yes, but we should combine them with Usability + UX + Utility tests. X		
c. No. Utility tests are a good replacement.		
O d.	Yes, since it relies on experts. But specialized heuristics should be used instead of traditional Nielsen's heuristics.	

Your answer is incorrect.