

## Feedback — Module 4 Concepts problem set

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You submitted this quiz on **Thu 16 Oct 2014 5:50 PM PDT**. You got a score of **5.00** out of **6.00**.

### Question 1

Which data mining problem cannot be answered easily by SQL3/OGIS querying?

Your Answer	Score	Explanation
<input type="radio"/> Cluster the data in database into three natural groups		
<input type="radio"/> Name the River which flows through at least six countries		
<input type="radio"/> Find the shortest distance path from New Delhi to Kathmandu		
<input checked="" type="radio"/> All of the above	<span>✖</span> 0.00	
Total	0.00 / 1.00	

### Question 2

Which violate independence assumption?

Your Answer	Score	Explanation
<input type="radio"/> "Mohamed Lee" is a rare name, even though "Mohamed" is the most frequent first name and "Lee" is the most frequent last name.		
<input type="radio"/> Near things are more related than distant things.		

☐ Nearby video frames often show common people and objects.

☒ All of the above

✓ 1.00

Total

1.00 /  
1.00

### Question 3

Which does not illustrate spatial-hotspot pattern family?

**Your Answer**

**Score**

**Explanation**

☐ Roads with unusually high rate of traffic accidents

☐ Neighborhood with unusually high rate of an infectious disease (or crime)

☒ Country with largest geographic area

✓ 1.00

☐ Cities with unusually high number of students in this MOOC

☐ Areas with unusually high concentration of museums

Total

1.00 /  
1.00

### Question 4

Which does not illustrate spatial-outlier pattern family?

**Your Answer**

**Score**

**Explanation**

☒ Vast plains uninterrupted by hills (e.g., parts of Pampas, Argentina away from hills) ✓ 1.00

☐ A dozen pine trees growing among thousands of cypress

☐ A historical palace (e.g., Forbidden City) in the center of a modern city (e.g., Beijing)

☐ Waterfalls in the river Mississippi

Total 1.00 / 1.00

## Question 5

Which does not illustrate spatial co-occurrence (e.g., colocation)?

Your Answer	Score	Explanation
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☒ Loud sound temporally follows bright flash of a lightning ✓ 1.00

☐ College campuses often have bookstores nearby

☐ Egyptian plover birds live close to Crocodiles

☐ Nuclear power plants usually locate near water

Total 1.00 / 1.00

## Question 6

Which of the following are properties of spatial data?

Your Answer	Score	Explanation
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<input type="radio"/>	Autocorrelation		
<input type="radio"/>	Heterogeneity		
<input type="radio"/>	Implicit relationships (e.g., neighbor)		
<input checked="" type="radio"/>	All of the above	✓	1.00
Total			1.00 / 1.00

