## Advanced Topics in GIS GEOG 270



Lab 3a – Displaying data

### Lab 3a questions

### Surface temperature in degrees Fahrenheit

1. is the main message of the map showing categories or quantities?

2. What is the measurement level of the data?

#### Crater Lake area slope

1. Is the main message of the map showing categories or quantities?

2. What is the measurement level of the data?

#### **Road atlas**

1. in this map, do the route labels represent categories or quantities?

2. What is the measurement level of the data?

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Lab 3a questions

- **Exercise 3a: Symbolize GIS Data**
- 1. What type of field is the COUNTY attribute?
- 2. Is the COUNTY attribute a nominal, ordinal, interval, or ratio measurement?
- 3. What type of attributes are POPULATION and VEHiCLE\_THEFT?
- 4. Are POPULATION and VEHICLEJ~HEFT qualitative or quantitative?
- 5. What level of measurement are the POPULATION and VEHICLEJFHEFT attributes?
- 6. Describe the relationship between the areas of high and low vehicle theft and the population shown by the MapTip.
- 4. Based on the class breaks currently shown in the histogram, what potential problems might you encounter when you create a map legend?
- 5. For Equal Interval to have at least one feature in each class, how many classes should you use?

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