Chapter 12: Connections and networks

1. Draw your family tree—or invent a family of imaginary characters. It should include at least ten people, two groups (colors or shapes), and three generations. Make sure that you include a legend for the shapes or colors that you use. Then:
    a. Label yourself (or your favorite character) on the family tree.
    b. What group or groups are you (or they) a part of?
    c. Label your (or their) parents.
    d. What group or groups are *they* part of?

2. Score three different animals—real or imaginary— on three variables: cuteness, ferocity, and athleticism.

Comparison of Three Animals			
Animal	**Cuteness**	**Ferocity**	**Athleticism**

    a. Use those data to create a parallel coordinate chart comparing the animals.
    b. Fill in the legend with the shapes and colors you use to represent each animal.
    c. Which animal would make the best pet? Did your answer change after you drew the parallel coordinates graph?

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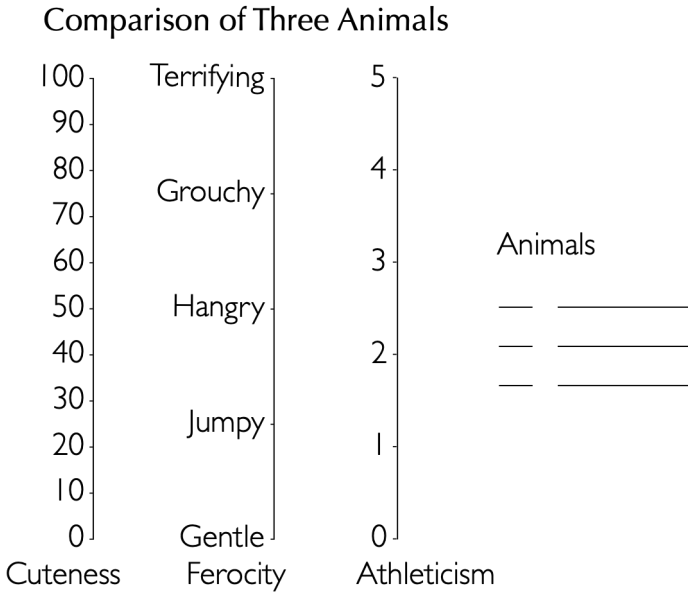
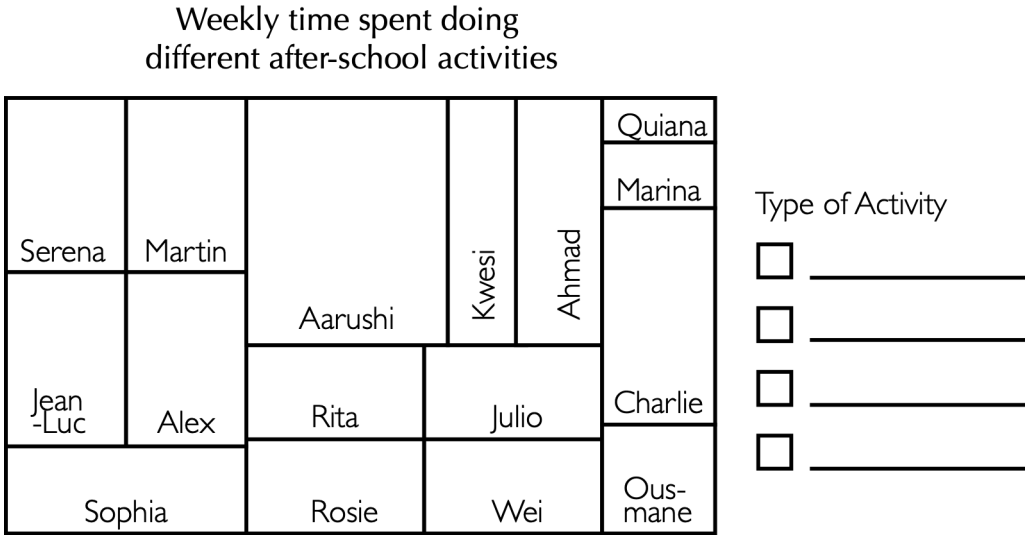


3. Color in this tree map to show the data in the network. Make sure to fill in the legend with your color choices.
    a. What does the tree map tell you that the network graph does not?

    b. Of the people who do artistic activities, who seems to spend the most time?

    c. Which types of activities do people spend the same amount of time on? Why might this be?



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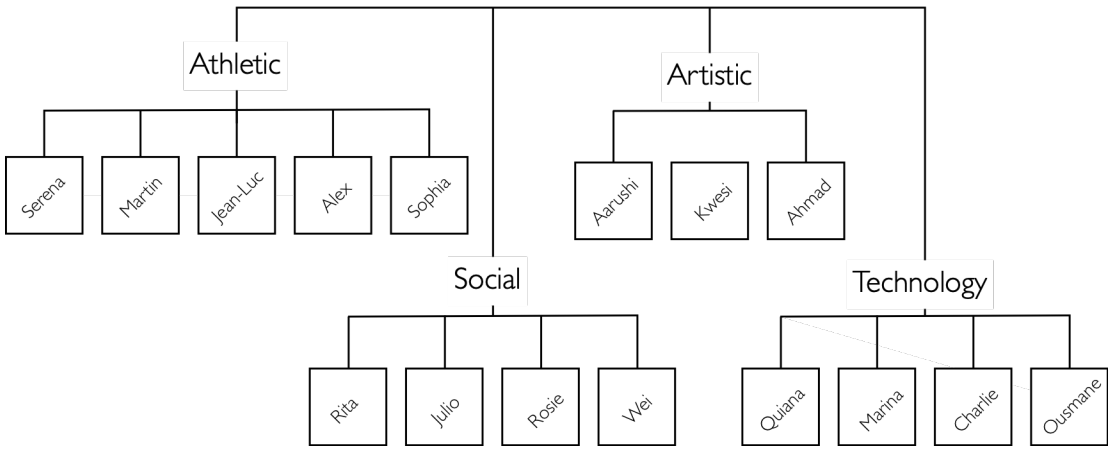
Who participates in different types of after-school activities?



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