Chapter 15: Wrapping up

1. Use the data set below for this exercise.

Rescue Dogs at Dos Reñas Dog Sanctuary						
Name	**Weight (lbs)**	**Height (inches)**	**Age**	**Gender**	**Coat**	**Energy**
Otis	11	8	Senior	Female	Curly	Low
Sunny	12	10	Puppy	Female	Medium	High
Freida	23	12	Senior	Female	Long	Low
Rosita	27	17	Adult	Female	Medium	Low
Gertie	31	14	Senior	Female	Curly	Medium
Lorraine	40	21	Puppy	Female	Medium	High
Buddy	45	18	Puppy	Male	Long	High
Moose	80	30	Puppy	Male	Short	High
Paws	52	25	Adult	Male	Short	Medium
Rex	60	20	Senior	Male	Curly	Low
George	70	19	Adult	Male	Short	High
Scout	74	25	Adult	Female	Short	Medium
Hazel	81	20	Adult	Female	Curly	High
Princess	129	33	Adult	Female	Short	Low
Bingo	141	35	Senior	Male	Short	Low

a. Give the data type for each variable.

Variable	**Data type**
Name:	_____
Weight:	_____
Height:	_____
Age:	_____
Gender:	_____
Coat:	_____
Energy:	_____

b. Write out a comparison that you think would be interesting to make using these data.

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c. Make a visualization that lets you make this comparison.

d. List the encodings that you used for each variable that is in your visualization.

Variable	Encoding
Name:	_____
Weight:	_____
Height:	_____
Age:	_____
Gender:	_____
Coat:	_____
Energy:	_____

e. Now make another visualization by picking whatever encodings you want for the same variables.

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f. List the encodings for this new visualization.

Variable	Encoding
Name:	_____
Weight:	_____
Height:	_____
Age:	_____
Gender:	_____
Coat:	_____
Energy:	_____

g. Find a friend, family member, or neighbor to look at your visualizations. Show them the second visualization, and ask them what they think it is about. Then, show them the one you made first. What do they say? Do they like one better than the other? Is one funny, but one useful?

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