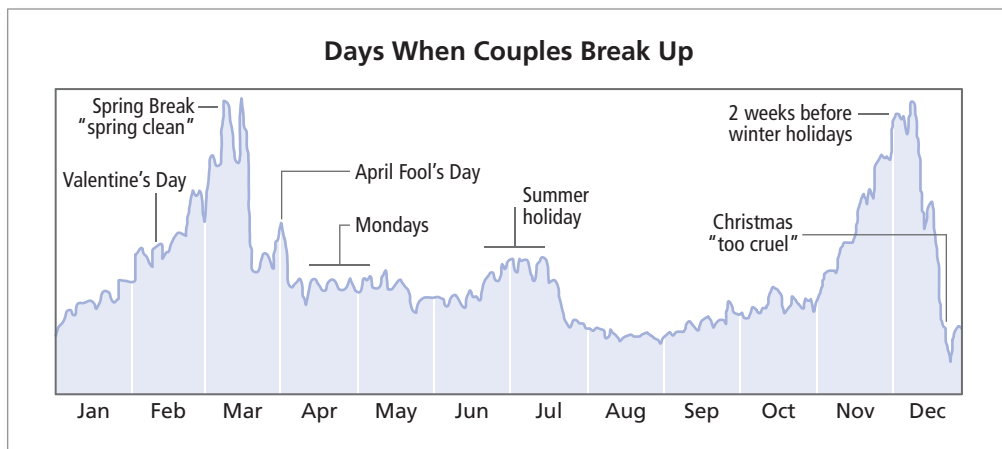
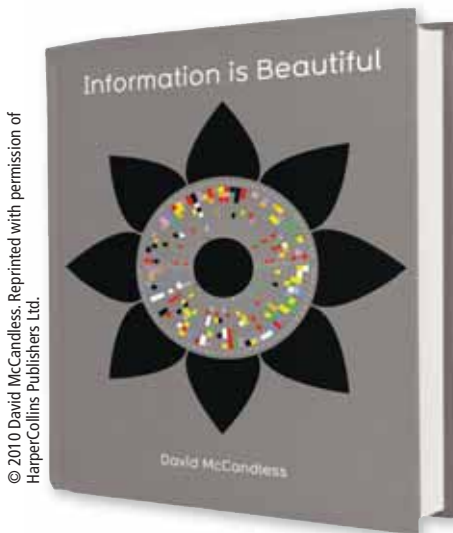


**EXAMPLE 4** Drawing an Area Graph

The following area graph is taken from *Information is Beautiful* by David McCandless. Describe the information and patterns presented in the graph.



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David McCandless’s book on information design is “a visual guide to the way the world really works.”

**SOLUTION**

The graph shows the results of tracking 10,000 Facebook status updates to determine when people in relationships broke up.

There are several patterns that you can observe in the graph.

- The two peak times during the year when people break up are in the month leading up to Spring Break and the month leading up to Christmas.
- The spike in the number of breakups on April Fool’s Day may be a result of people changing their relationship statuses as a joke.
- The frequency of breakups is relatively low from late July through October.
- The day of the year when people are least likely to break up is Christmas.

**✓ Checkpoint**

Help at [Math.andYOU.com](http://Math.andYOU.com)

What observations can you make about the area graph below?

