

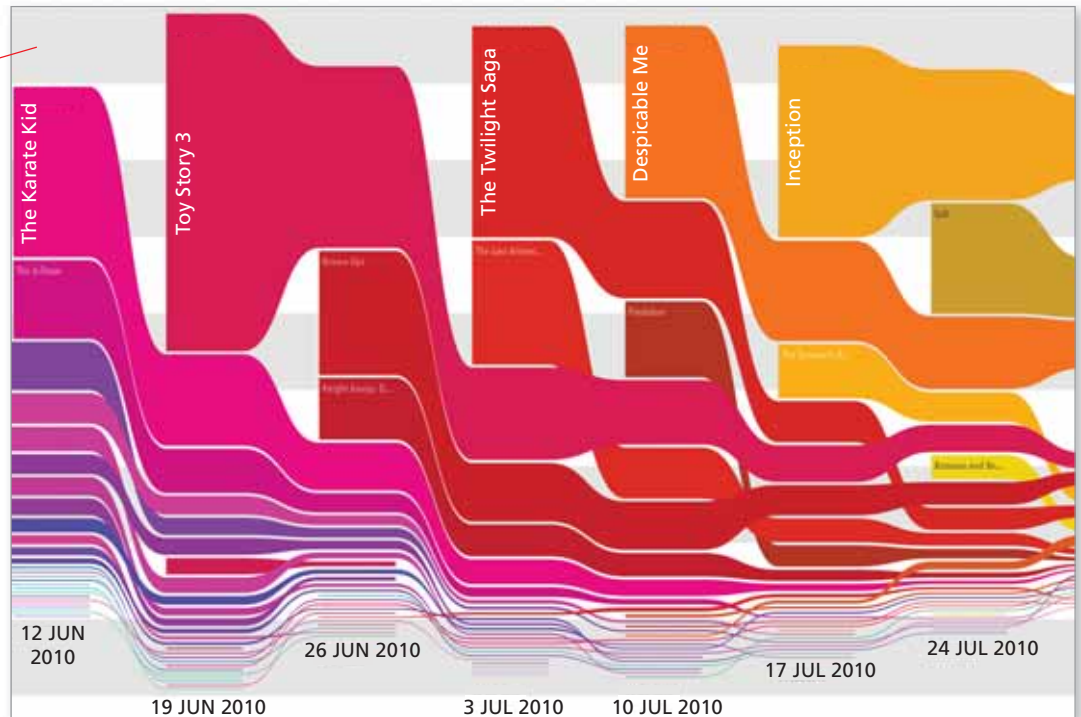
EXAMPLE 6 Reading a Design with Several Variables

The stream graph shows trends in the top 25 movies at the box office for each weekend in 2010. Describe the variables displayed in the graph.



Revenue for Top 25 Movies in 2010

Each horizontal section represents \$25 million in revenue.



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Toy Story 3 is a 3D computer-animated film by Disney/Pixar. During 2010, it had the greatest box office receipts for the weekends of June 19 and June 26.

SOLUTION

Here are the variables.

- The color identifies the *title* of the movie.
- The horizontal axis shows the *weekend* during the year.
- The height of the color shows the *revenue* for the weekend.
- The position of the color for each weekend indicates the *order* from highest box office receipts to lowest box office receipts.

✓ Checkpoint

Describe how the colors in the graph can help you identify movies that have particularly long runs at the box office.

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