

How to make clean charts that tell your story

JOUR 71003

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Remove
to improve
(the **data-ink** ratio)

Y-axis: Make them natural

ex: 0,2,4,6,10

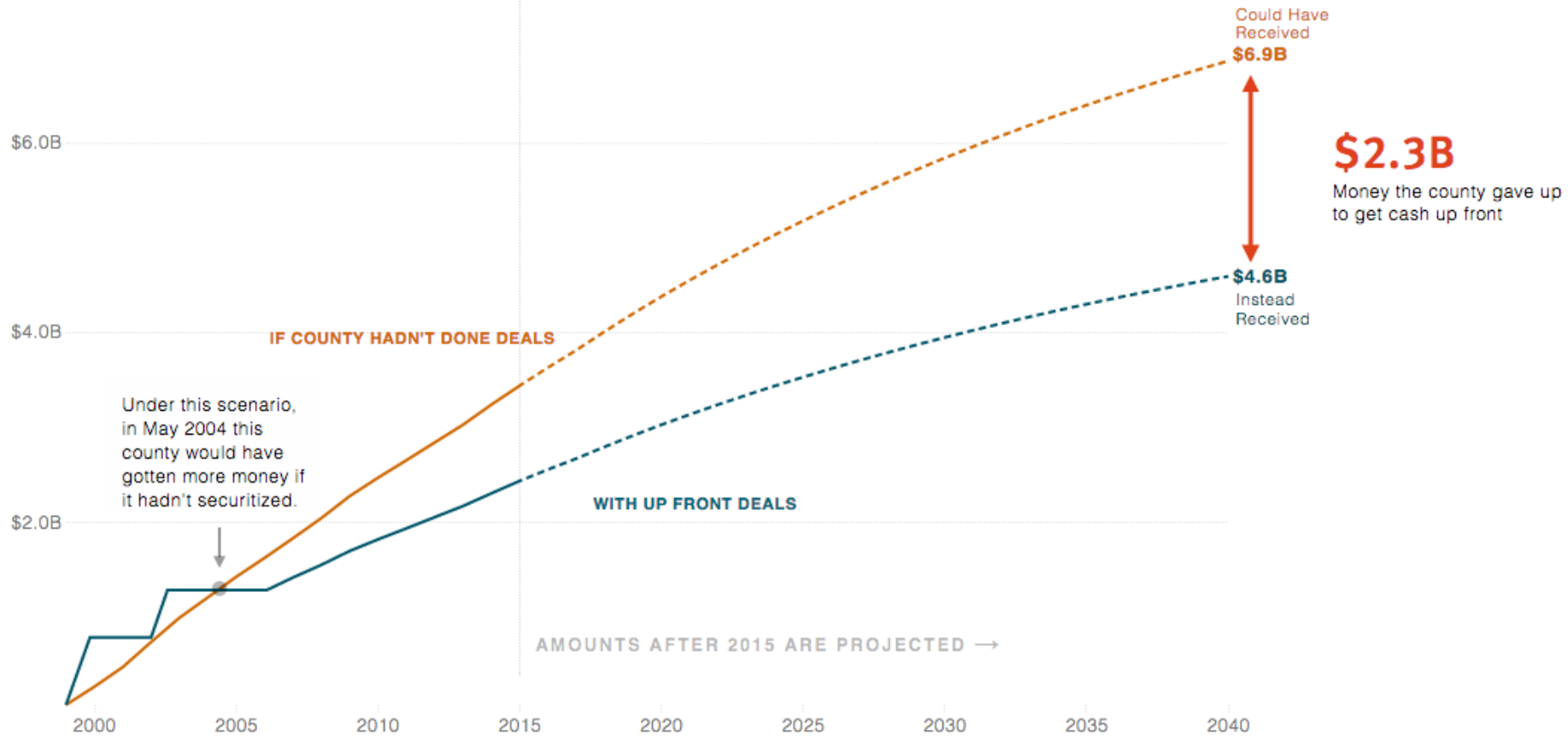
ex: 0,5,10,15,20

not: 1,5,9,13,17

Lines on a line chart

- If there are multiple lines, highlight one by coloring it differently. The others should be colored the same.
- No unnecessary icons or symbols on the lines.

Cumulative Money to City of New York



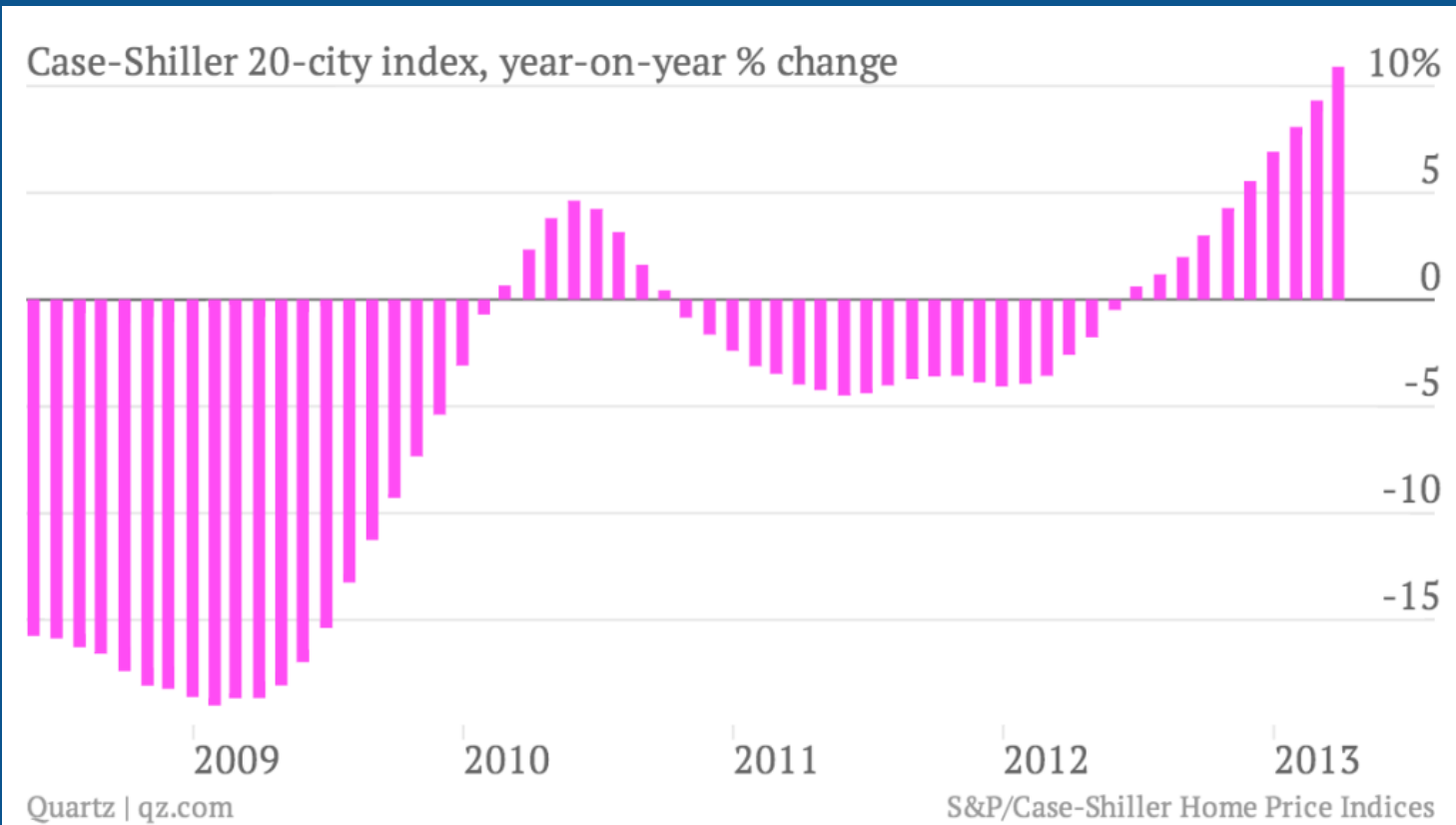
Remove

to improve
the **data tables** edition

Know your story

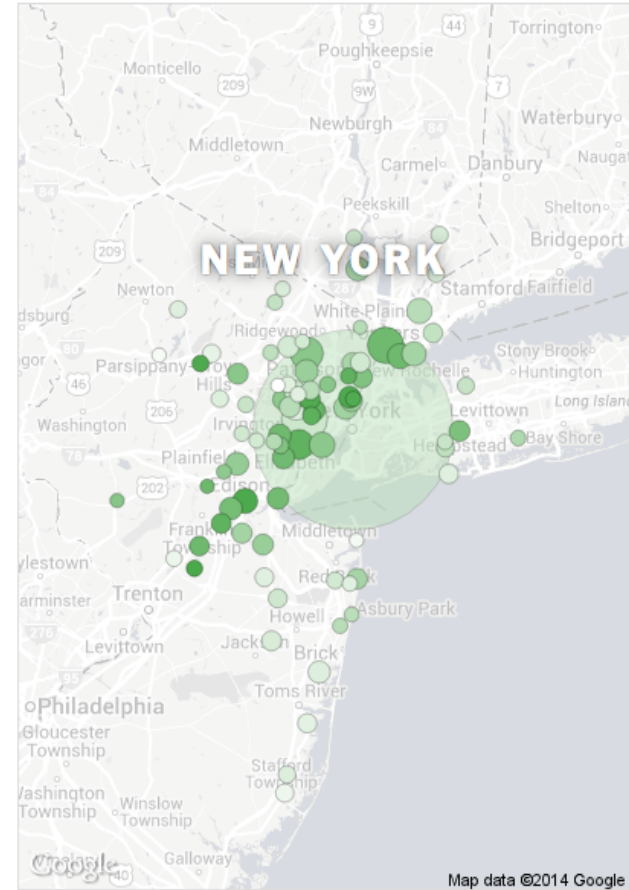
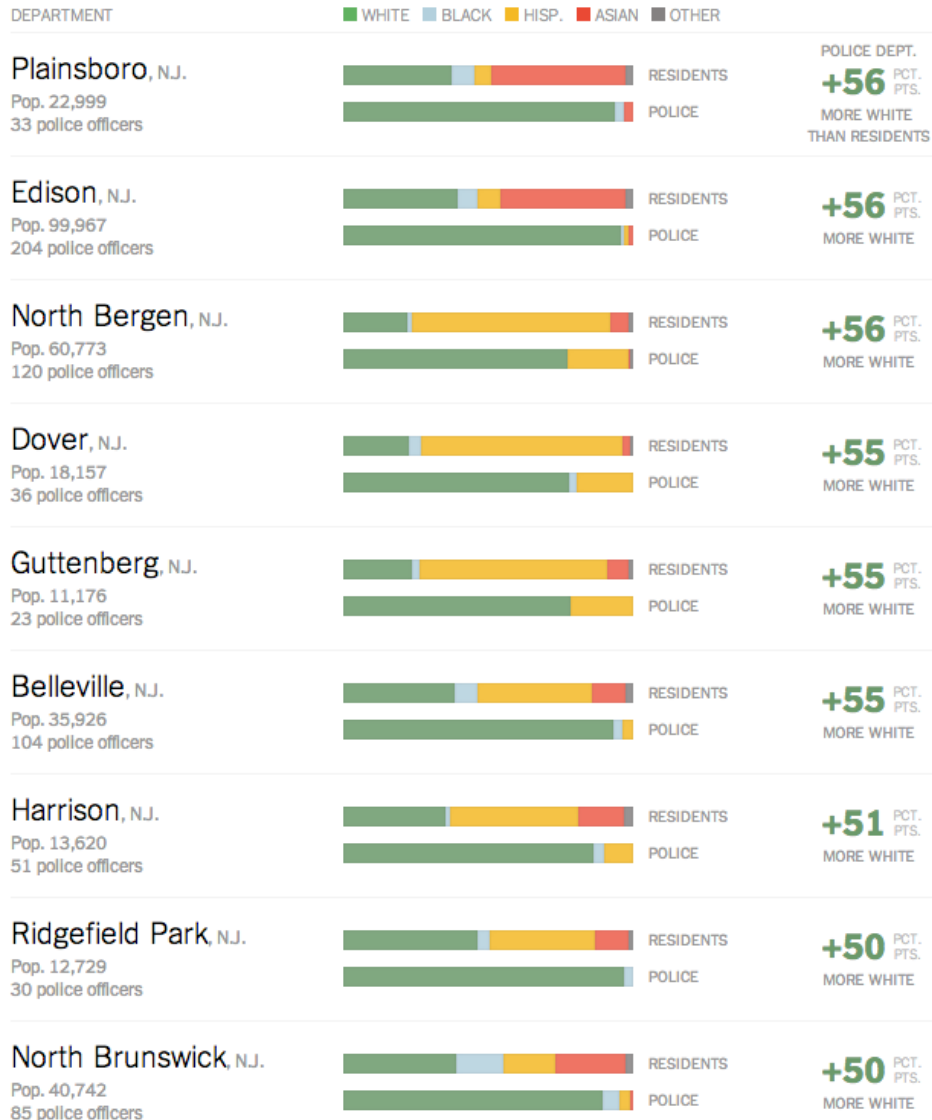
The best charts get straight to the point and make it easy for the eye to figure out your message.

Change in home prices in large U.S. cities



New York

New York City's police department is among a number of large departments where court-ordered mandates have led to more racial diversity. A federal judge ruled in 1978 that the city could not use its Civil Service exam to select new police recruits, leading to measures that increased the hiring of black and Hispanic officers. In some New Jersey towns, like Plainsboro, Dover and Edison, Hispanics and Asians are significantly underrepresented.

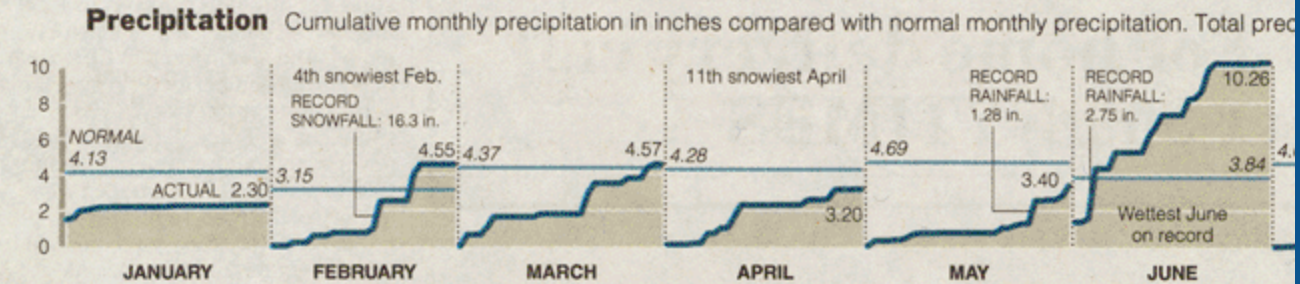
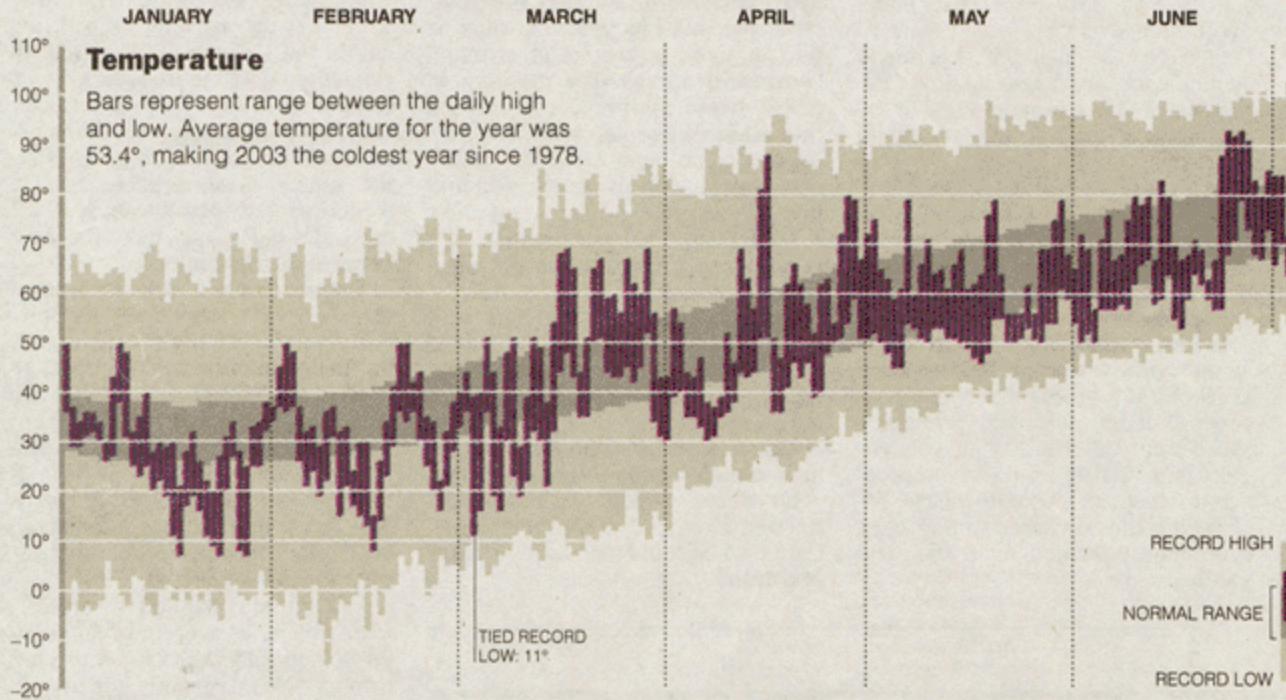


Circles are scaled according to the size of the police department.

Signal through the noise

Charts are a way to allow readers to quickly parse dense information.

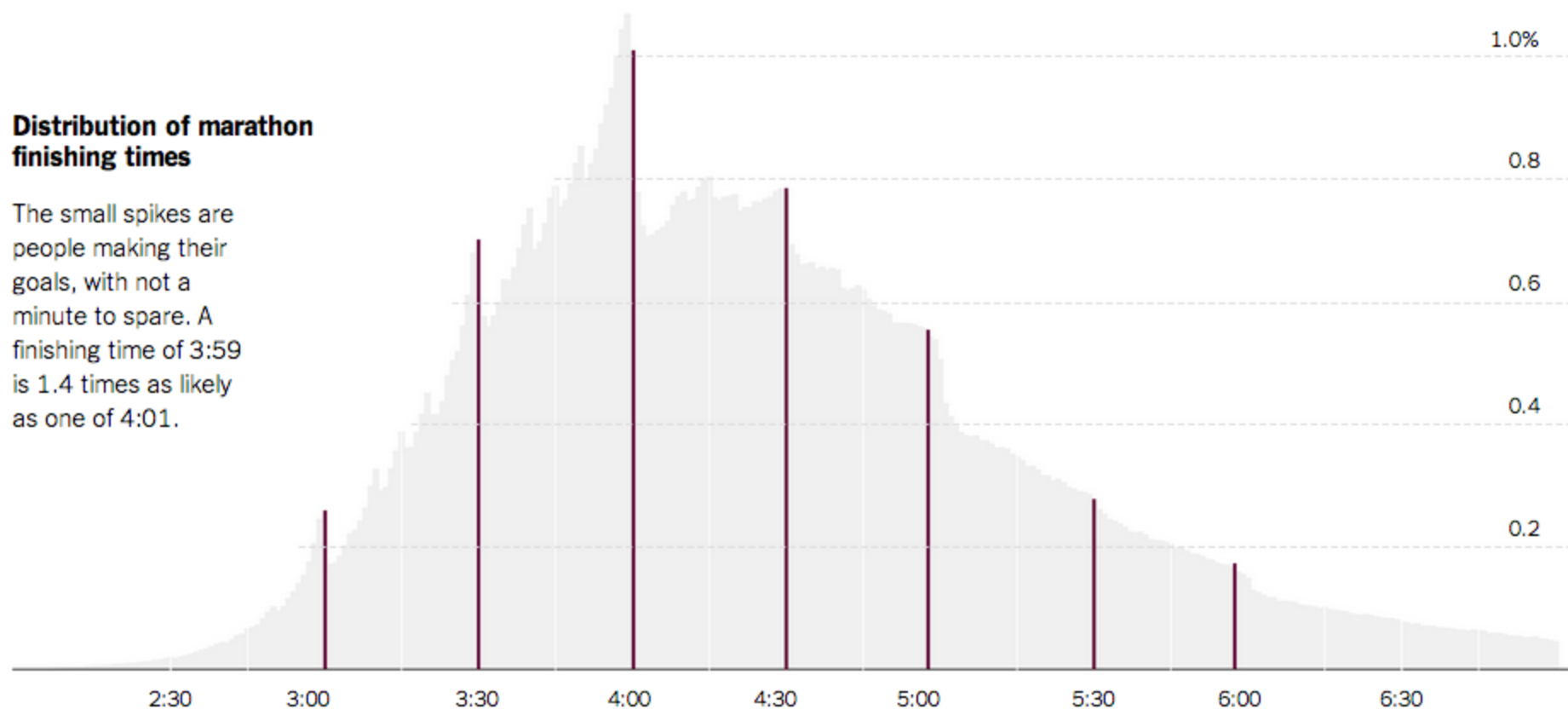
New York City's Weather in 2003



Arbitrary goals, like round numbers, can be motivating – just ask 9 million marathoners.

Distribution of marathon finishing times

The small spikes are people making their goals, with not a minute to spare. A finishing time of 3:59 is 1.4 times as likely as one of 4:01.



Based on data from Eric Allen, USC, Patricia Dechow, U.C. Berkeley, Devin Pope and George Wu, University of Chicago.