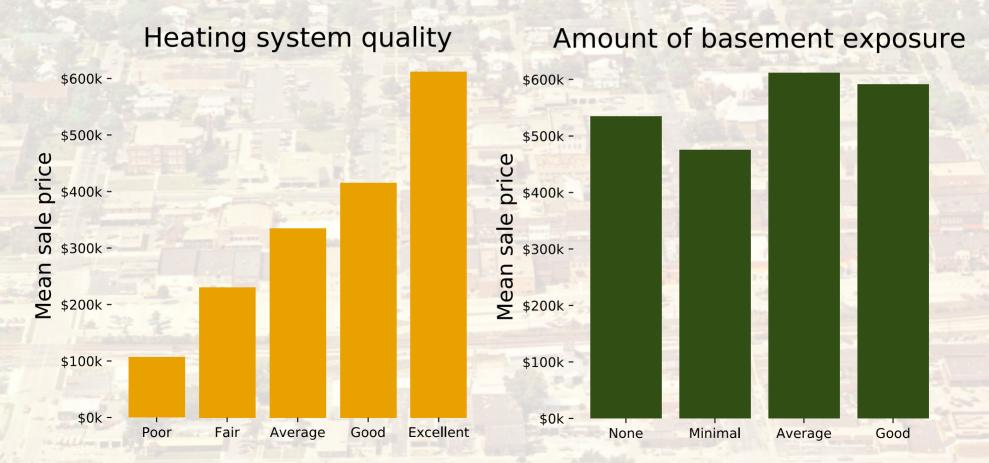


Some data correlate better with sale price than others.



Among the strongest effects:

Ceteris paribus, raising	by	raises average sale price by:
Lot area	1 acre (43,560 ft²)	28.1%
Above-grade living area	100 ft ²	74.8%
Finished basement area	100 ft ²	19.1%
No. full baths in basement	1	18.4%
Overall quality score	1 (out of 10)	9.3%

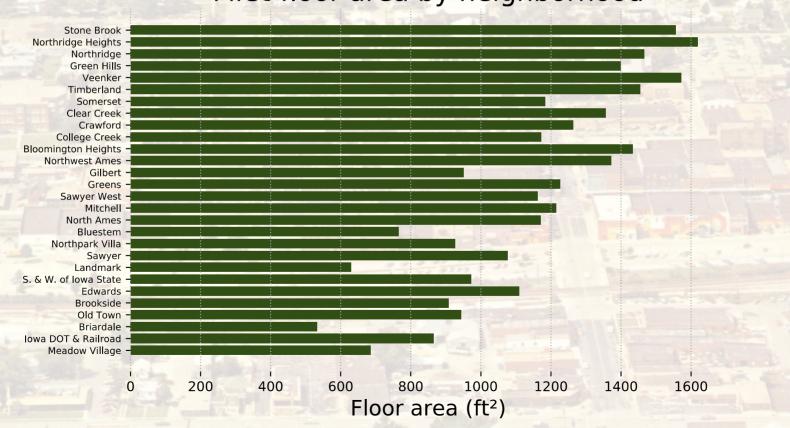
Although location (location location) has a big impact on sale price...

Sale price by neighborhood



...it correlates with other features, so the model doesn't consider it.

First-floor area by neighborhood



The full model accounts for...

- Significant years: remodeled, sold
- Floor area: living (basement & non-basement), first-floor, screen porch, deck, total lot size
- Room counts: all rooms, kitchens, basement baths, garage car ports
- Quality scores: overall, exterior, basement, heating

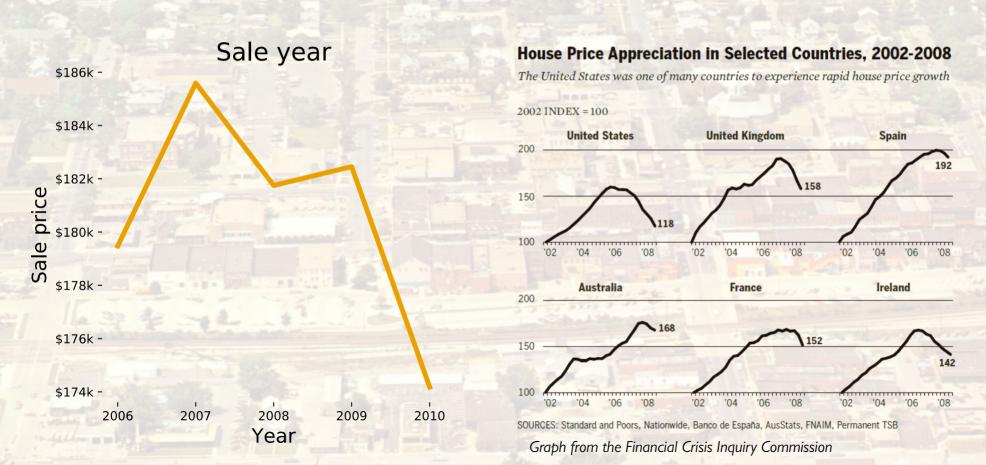
If we don't know a value, use the mean of the others.

...and explains 86% of the variation in sale price.

Model-predicted sale prices



Due to the '08 crisis, sales in successive years decrease by an average of 3.5%.



If we want to generalize this model...

...to other cities:

- Neighborhood is not considered, but;
- "Quality" factors like "overall condition" (I-I0)
 must be calibrated to other assessors' judgments.

...to other periods:

• The "sale year" factor must be adjusted so as not to consider the '08 subprime crisis.

If you want to add value to a house:

- Add rooms: recently-remodeled homes and those with more finished floor area sell for more
- Finish the basement
- Add a screen porch or deck