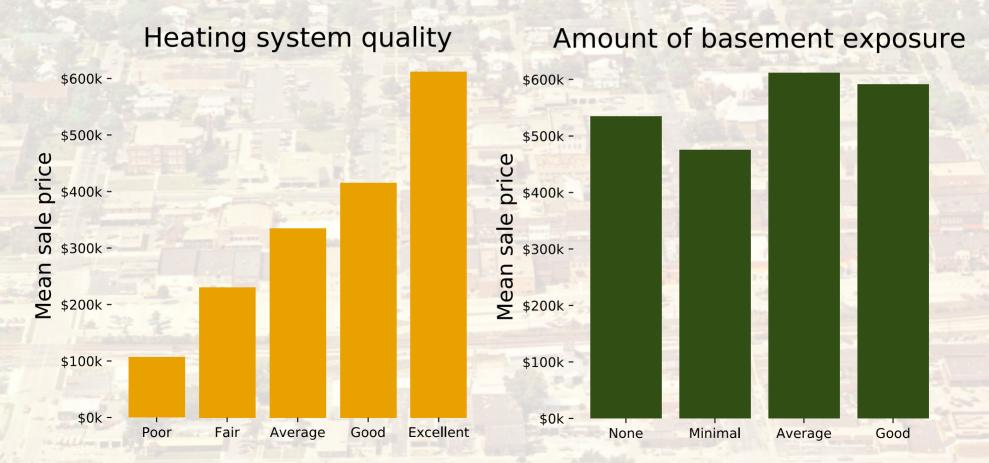


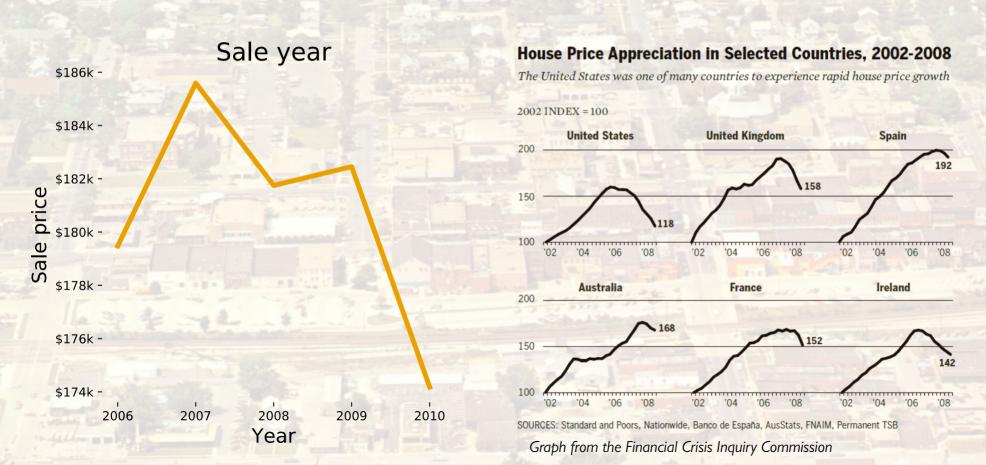
## Some data correlate better with sale price than others.



### 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 <sup>2</sup>	74.8%
Finished basement area	100 ft <sup>2</sup>	19.1%
No. full baths in basement	1	18.4%
Overall quality score	1 (out of 10)	9.3%

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



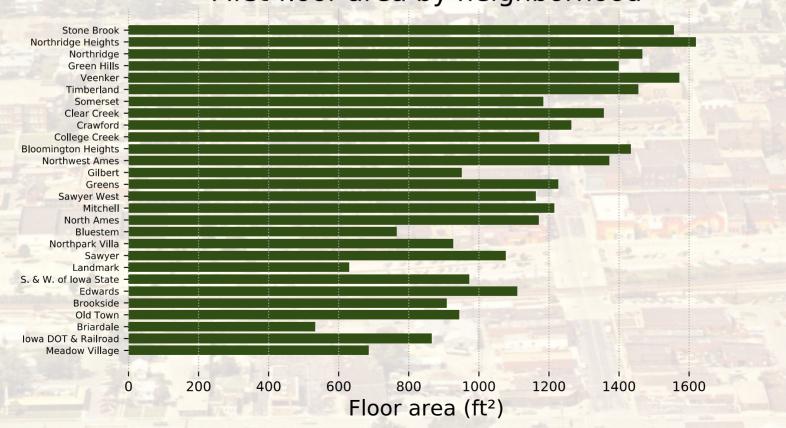
# Although location (location location) has a big impact on sale price...

Sale price by neighborhood



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

First-floor area by neighborhood



# The final model accounts for 86% of the variation in sale prices.

Model-predicted sale prices



## If we want to generalize this model...

#### ...to other cities:

- Neighborhood is not considered, but;
- "Quality" factors like "overall quality" (1–10)
  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.