How about more categories?

Contrasts, the default in most lm() functions

- There are a few ways of modeling predictors with many categories:
 - Contrasts: Each category is compared to a baseline, and the coefficients are comparisons between baseline and levels
 - One-hot: coefficients are means of each level of the predictor
 - Residuals: an overall mean is measured, and coefficients are differences between each level and the global mean

Q: How do we get estimates for the mean in each class?

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One-hot

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```
"B" "A" "A" "B" "C" "B" "B" "C" "B"
onehot
xA xB xC
```