

How about more categories?

- 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

```
> fit_residual = stan_glmer(y ~ 1 + (1|x),
data = df, prior_intercept =
normal(mean(df$y), 0.1))
> summary(fit_residual)[1:4, 1:3]
```

	mean	mcse	sd
(Intercept)	1.90	0	0.10
b[(Intercept) x:A]	-1.16	0	0.16
b[(Intercept) x:B]	0.14	0	0.17
b[(Intercept) x:C]	1.01	0	0.15

Comparing estimates

