

6.5 categorical

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reference:

- ARM chapter 06, github

```
library(rstan)
rstan_options(auto_write = TRUE)
options(mc.cores = parallel::detectCores())
library(ggplot2)
library(boot)
```

categorical

data

```
## Read in the data
##FIXME: MISSING data?
```

fit

```
## Fitting the model
## fit.1 <- bayespolr (factor(y) ~x)
```

figure

```
## Displaying the fitted model
expected <- function (x, c1.5, c2.5, sigma){
  p1.5 <- inv.logit ((x-c1.5)/sigma)
  p2.5 <- inv.logit ((x-c2.5)/sigma)
  return ((1*(1-p1.5) + 2*(p1.5-p2.5) + 3*p2.5))
}
## Plots
```