

```
## Null deviance: 186.67 on 166 degrees of freedom
## Residual deviance: 180.38 on 162 degrees of freedom
## AIC: 436.5
##
## Number of Fisher Scoring iterations: 4
```

model equation:

$$\log(p_i/1 - p_i) = 206.41822 - 0.24008I_{obama} + 0.14847I_{male} - 0.10188x_{year} - 0.01086x_{age} + \epsilon$$

p_i is the probability that the child chose candy. x_{year} is the year. x_{age} is the age. $I_{obamaYes}$ is 1 if the child got candy from the side with Michelle Obama’s picture on it and 0 if the child went to the side with no picture. $I_{maleMale}$ is 1 if the child is a male and 0 if the child is a female.

Check conditions

```
require(DHARMA)
letsMove_sim <- simulateResiduals(letsMove_logit)

gf_point(letsMove_sim$scaledResiduals ~ fitted(letsMove_logit)) %>%
  gf_labs(x = 'Fitted Values',
         y = 'Scaled Residuals')
```

