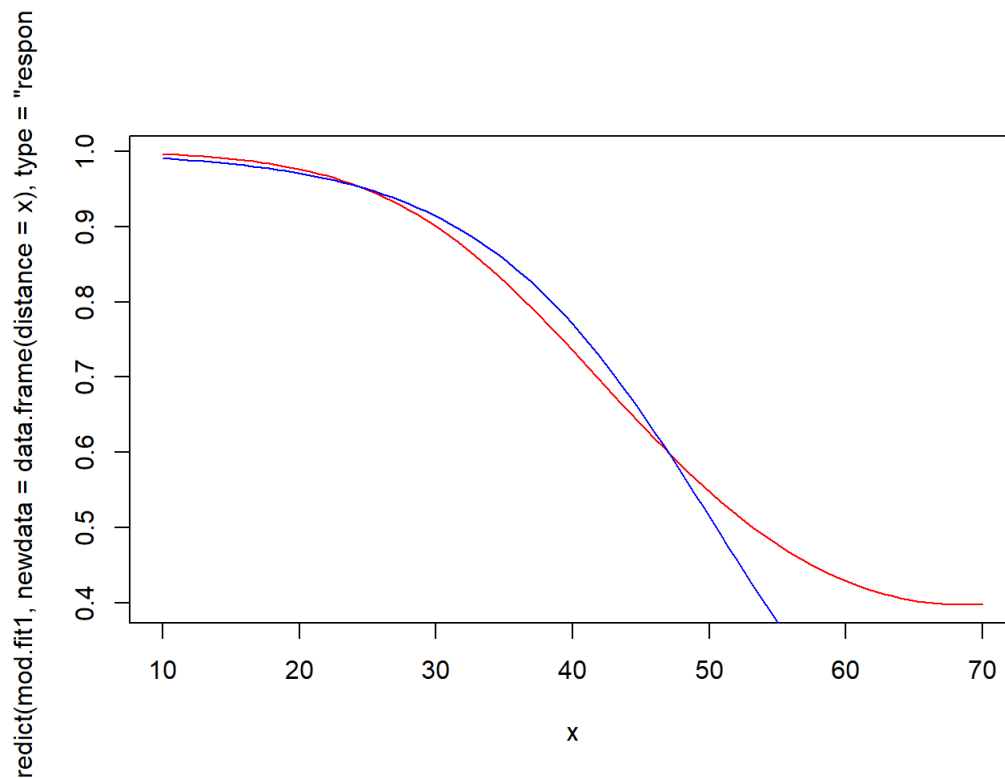# Lec10_2

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*February 21, 2019*

## 2

```
placekick <- read.csv("Placekick.csv")
mod.fit1 <- glm(formula=good ~ distance + I(distance^2),
                family=binomial(link=logit), data=placekick)
mod.fit2 <- glm(formula=good ~ distance, family=binomial(link=logit), data=placekick)

curve(expr = predict(mod.fit1, newdata = data.frame(distance = x),type = "response"), col = "red", xlim = c(
10, 70))
curve(expr = predict(mod.fit2, newdata = data.frame(distance = x), type = "response"), col = "blue", xlim =
c(10, 70), add = TRUE)
```



At distance within [25, 46) and greater than 46, the quadratic terms affects the model more.