logistic_regression

Federico Lopez

2015-10-08

```r
library(MASS)
library(ggplot2)

b <- biopsy
#b

b$classn[b$class=="benign"] <- 0
b$classn[b$class=="malignant"] <- 1
#b

#fit logistic regression line
#use smoothing method glm with binomial formula
ggplot(b, aes(x=V1, y=classn)) +
  geom_point(position=position_jitter(width=0.3, height=0.06), alpha=0.4,
             shape=21, size=1.5) +
  stat_smooth(method=glm, family=binomial)
```