A Logistic regression: fitted lines log-odds scale

Event occurred in
these people but not in
these people

Fitted lines are straight*

Log-odds: (−∞, +∞)

Non-smoker
Smoker

Log odds of event

Cups of coffee per day
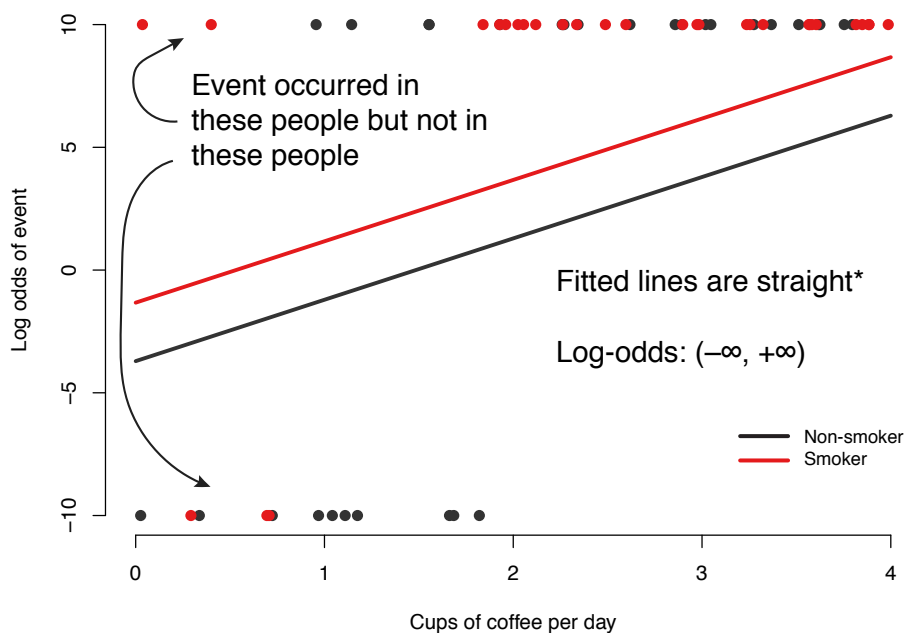
B Logistic regression: fitted lines probability scale

Fitted lines are sigmoid

Probability [0, 1]

Non-smoker
Smoker

Probability of event

Cups of coffee per day