

EDS222 Week 6

Modeling binary responses with *logistic regression*



what

A curved arrow points from the word 'what' inside a black oval to the underlined text 'binary responses' in the line above.

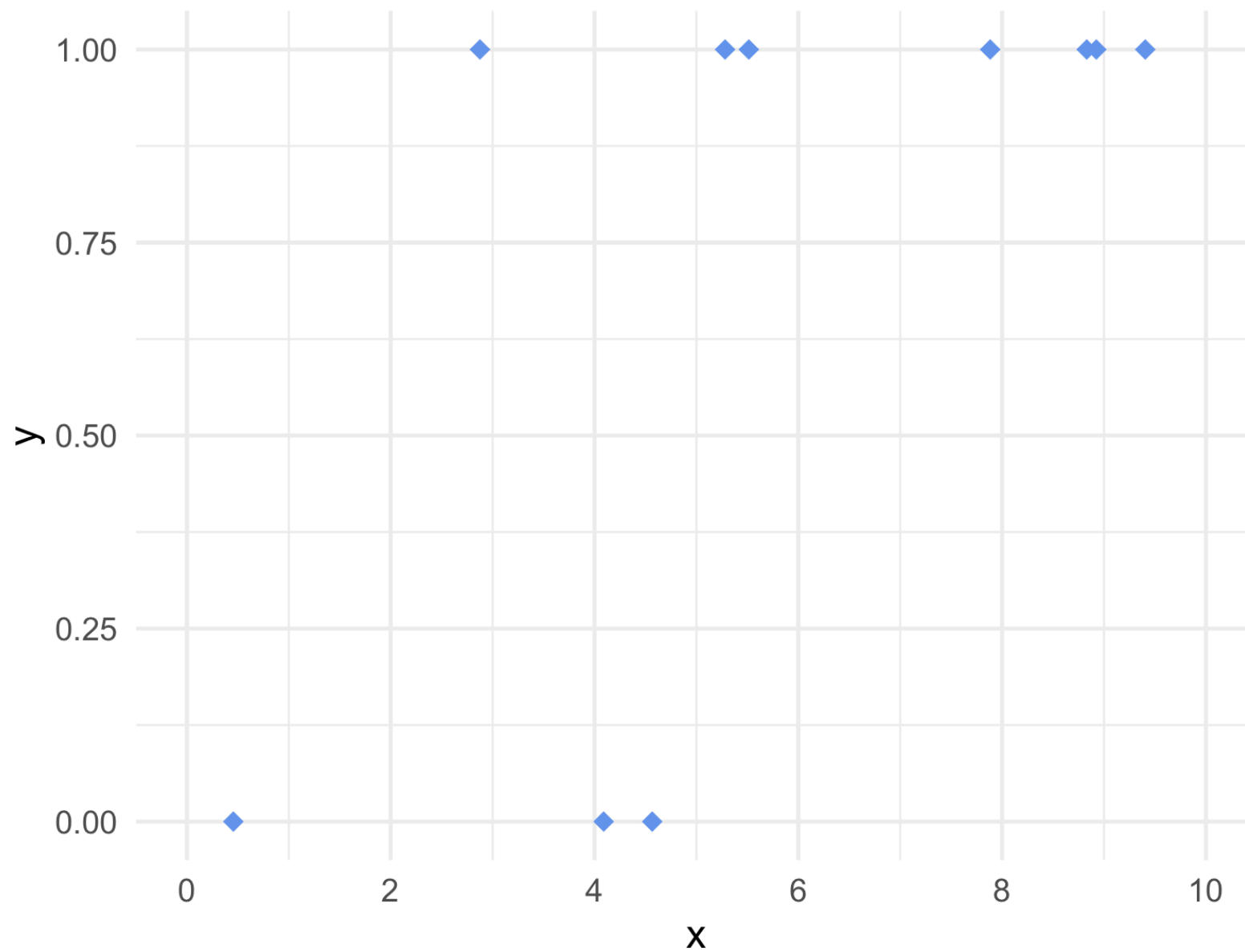


how

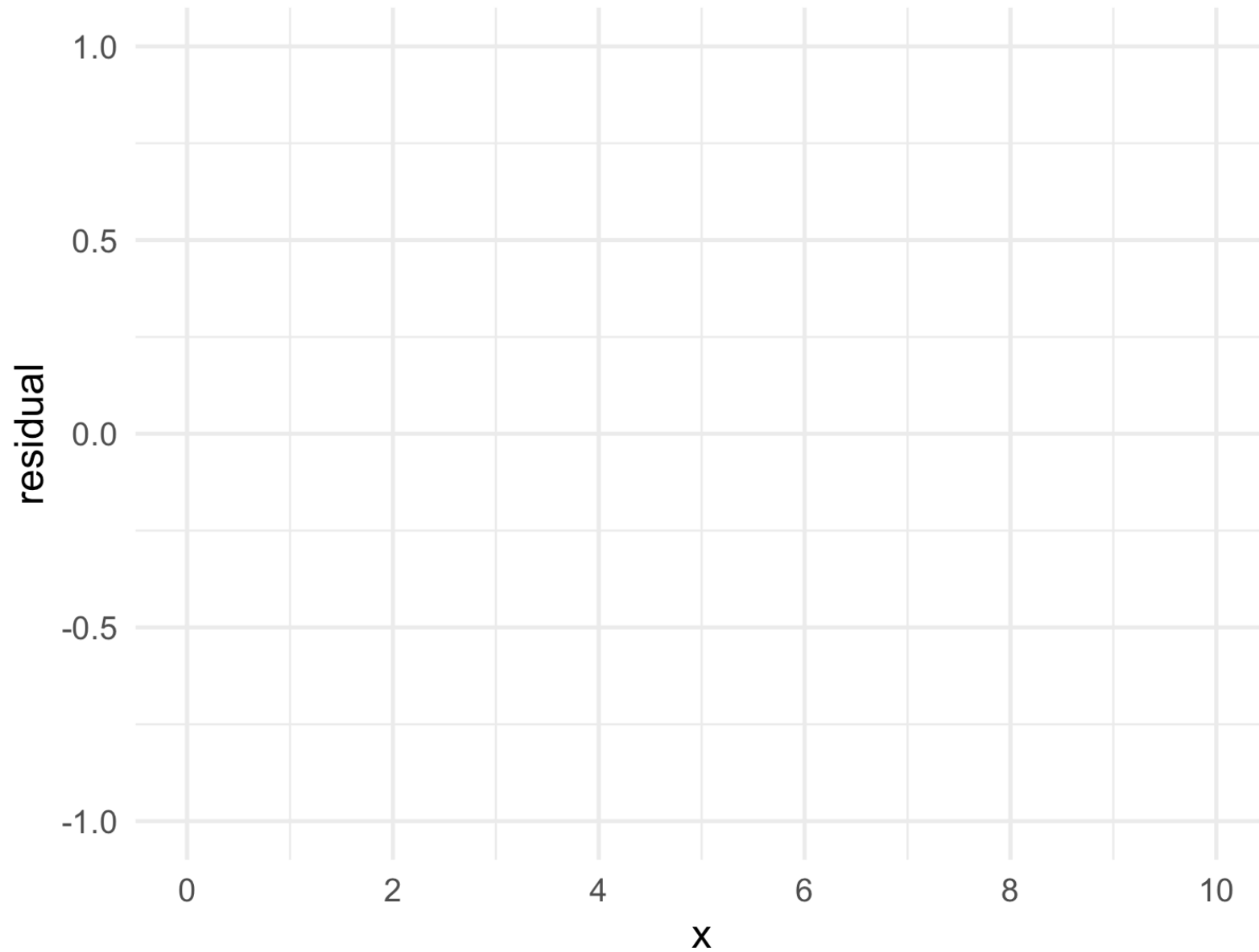
A curved arrow points from the word 'how' inside a black oval to the italicized text 'logistic regression' in the line above.

November 5, 2024

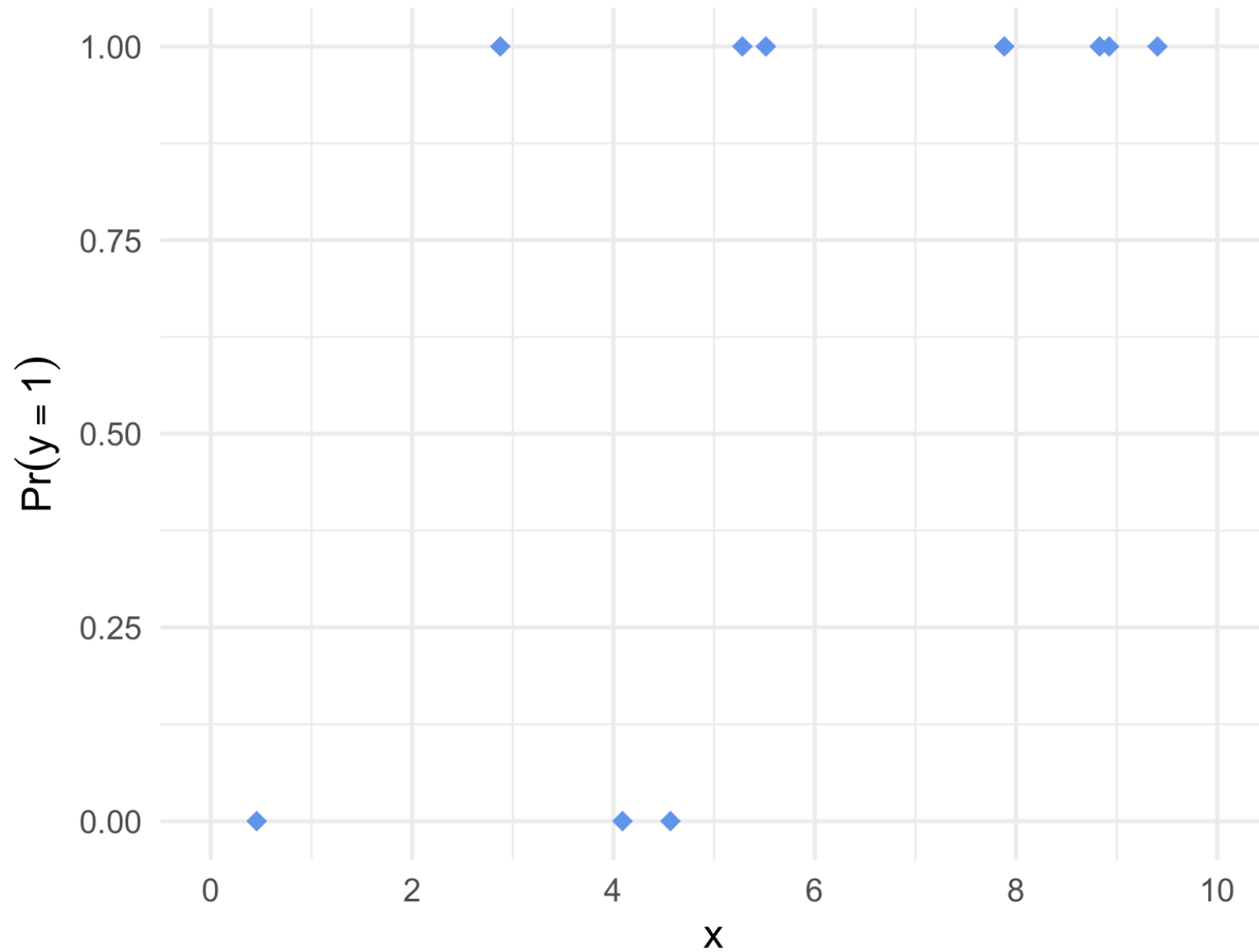
Modeling the unobserved



Modeling the unobserved

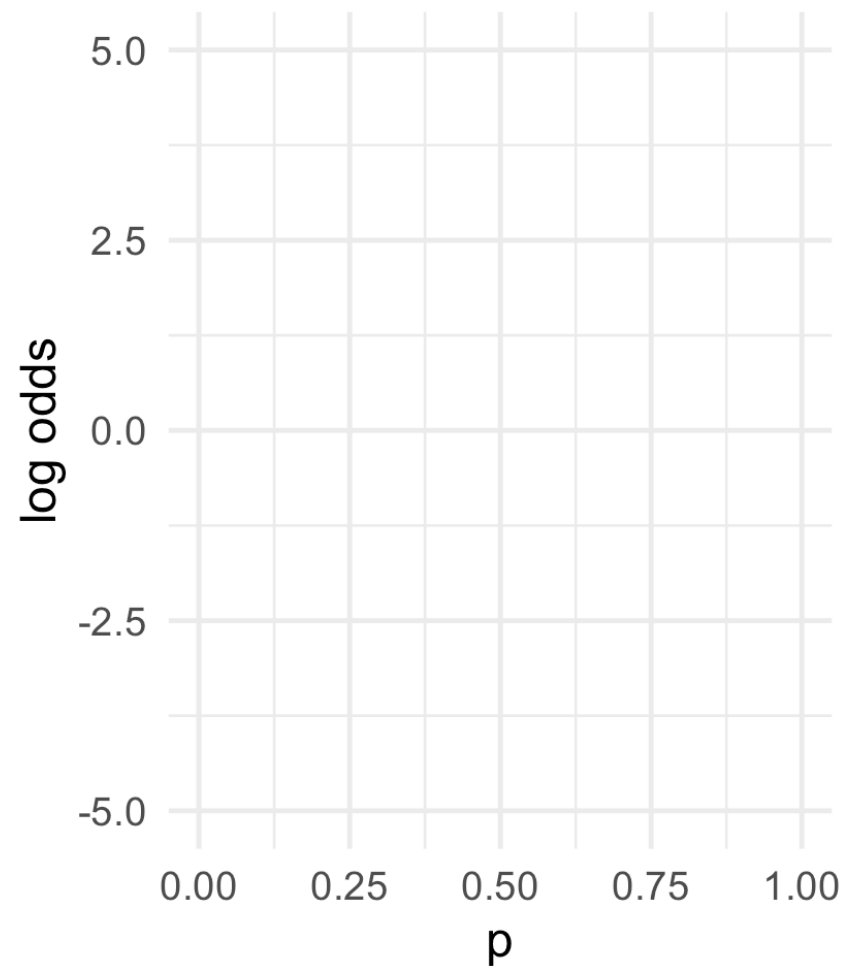
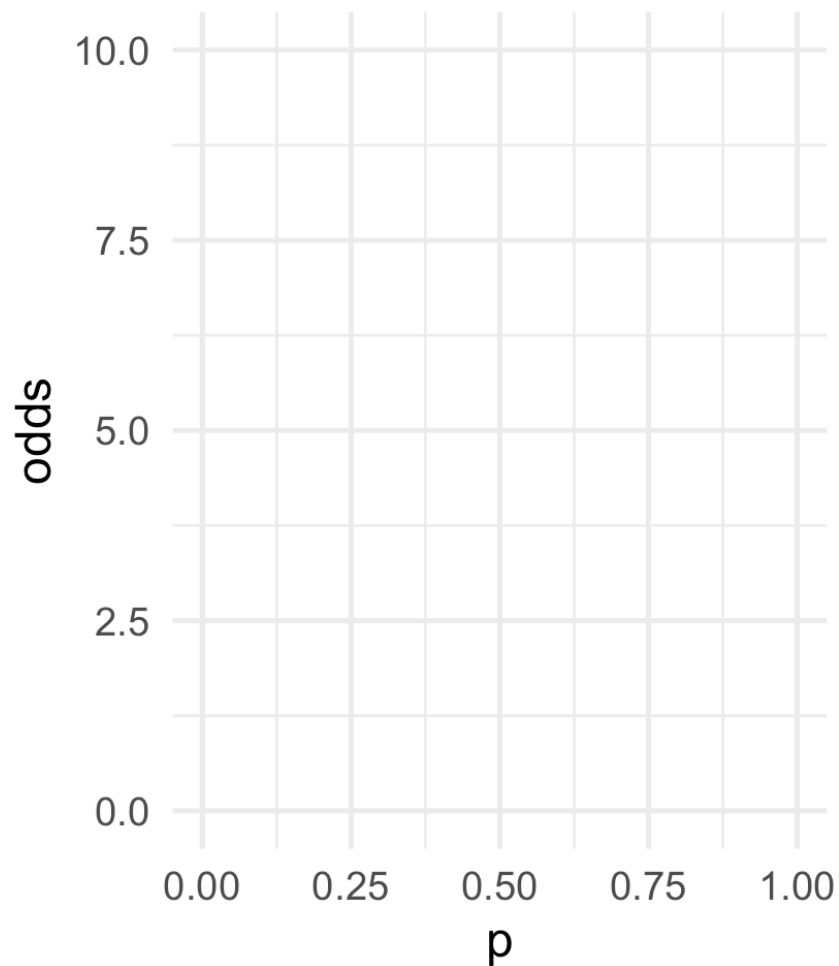


Modeling the unobserved



Link functions (logit)

Goal:

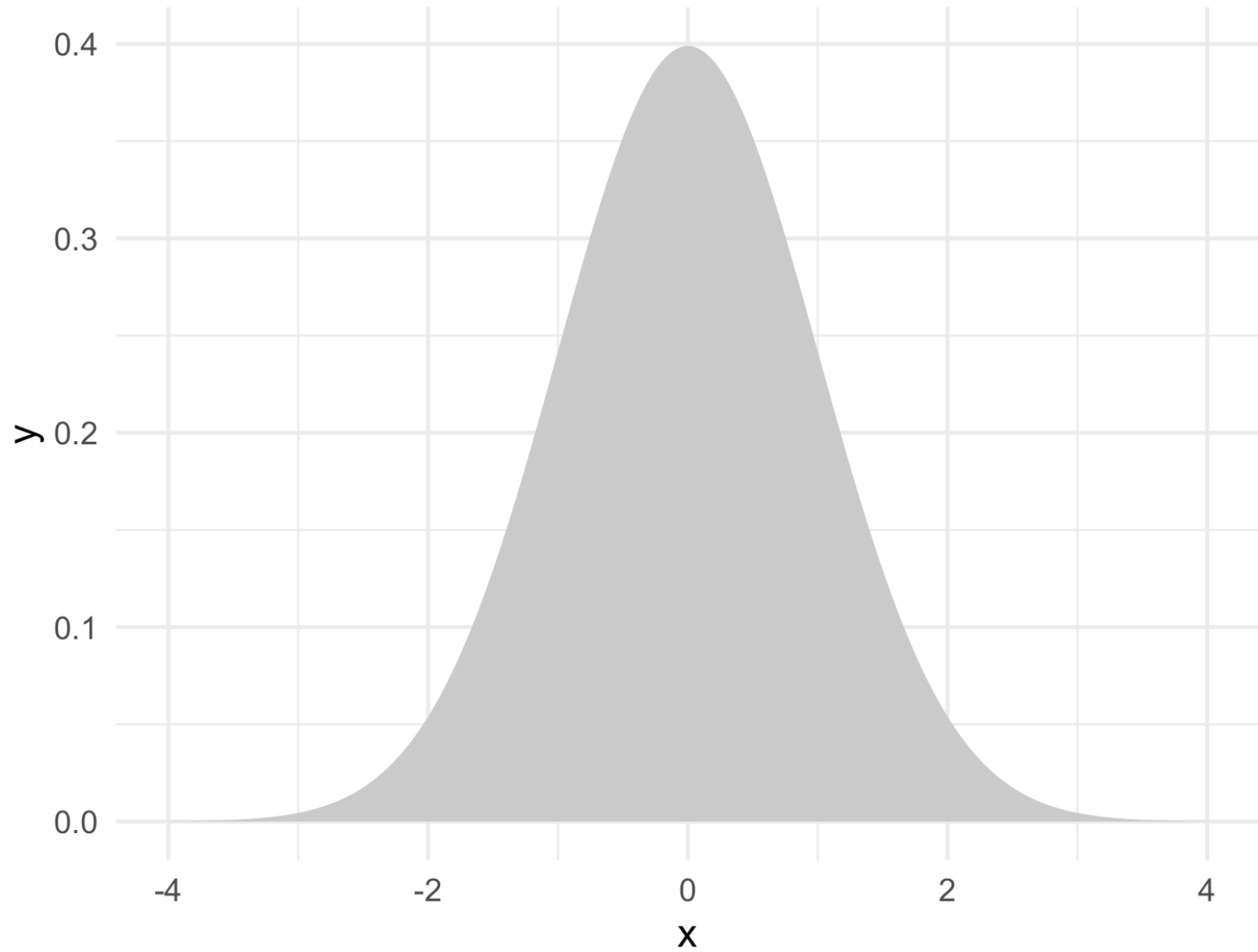


Link functions (logit)

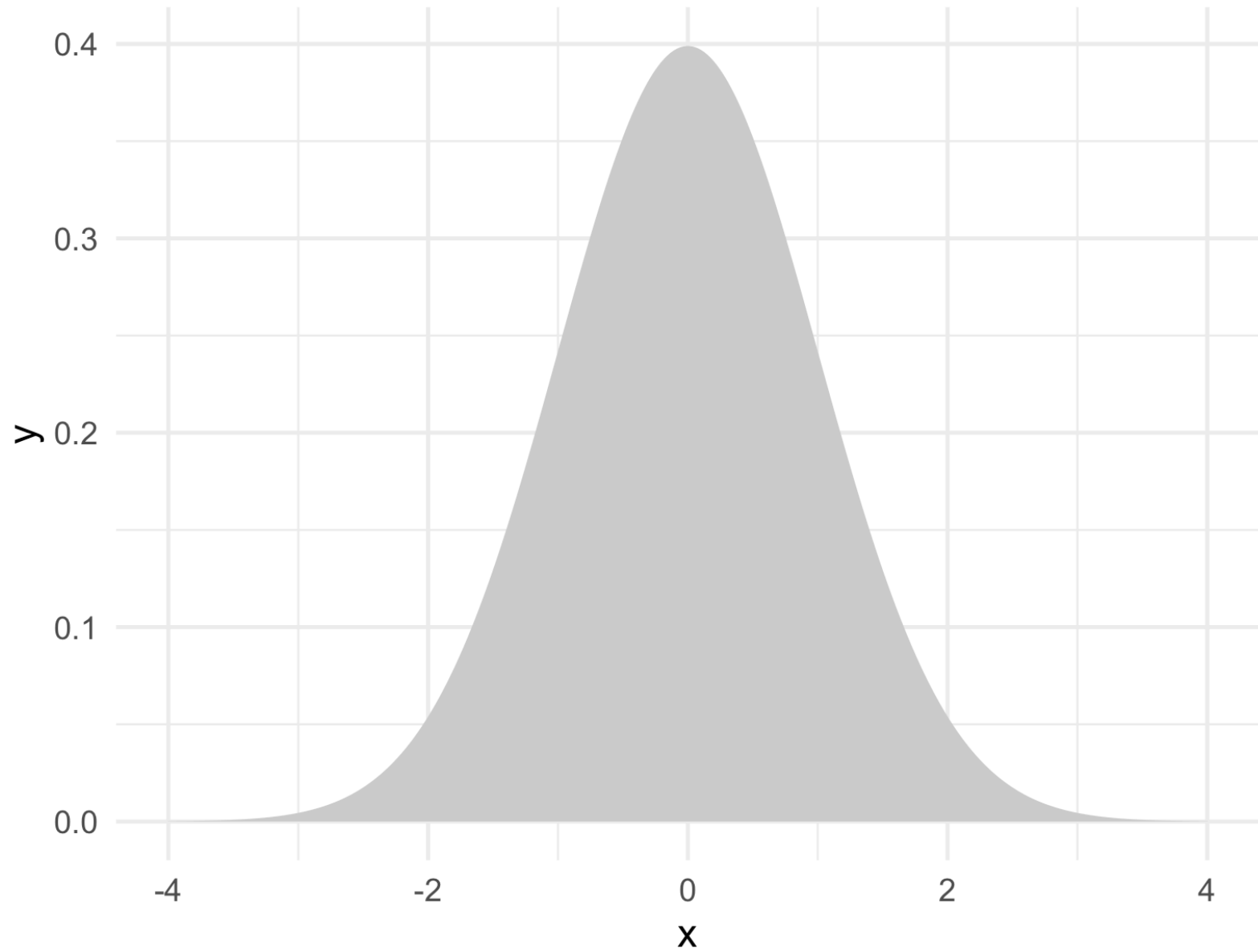
Logistic regression:

“Normal” regression:

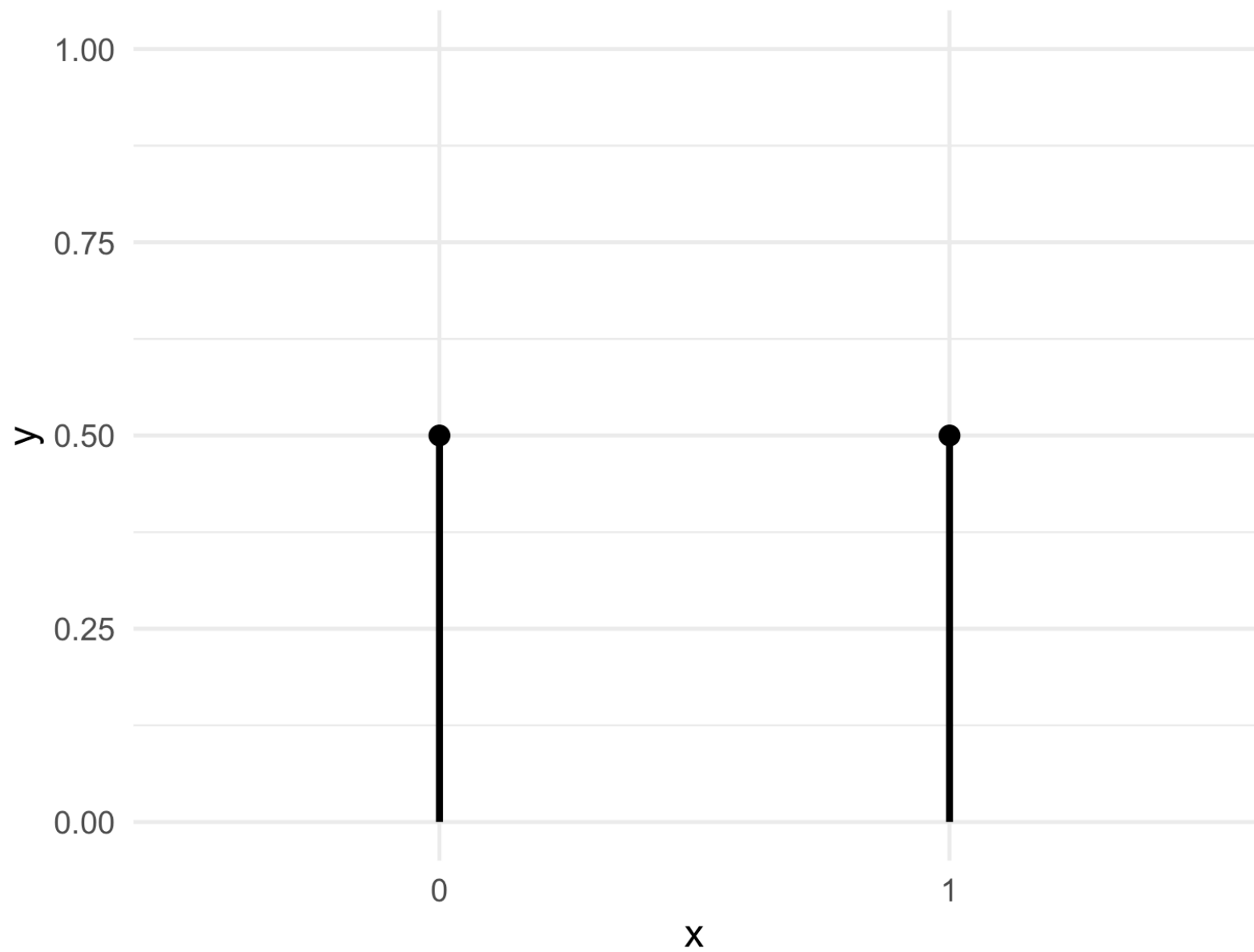
Likelihood



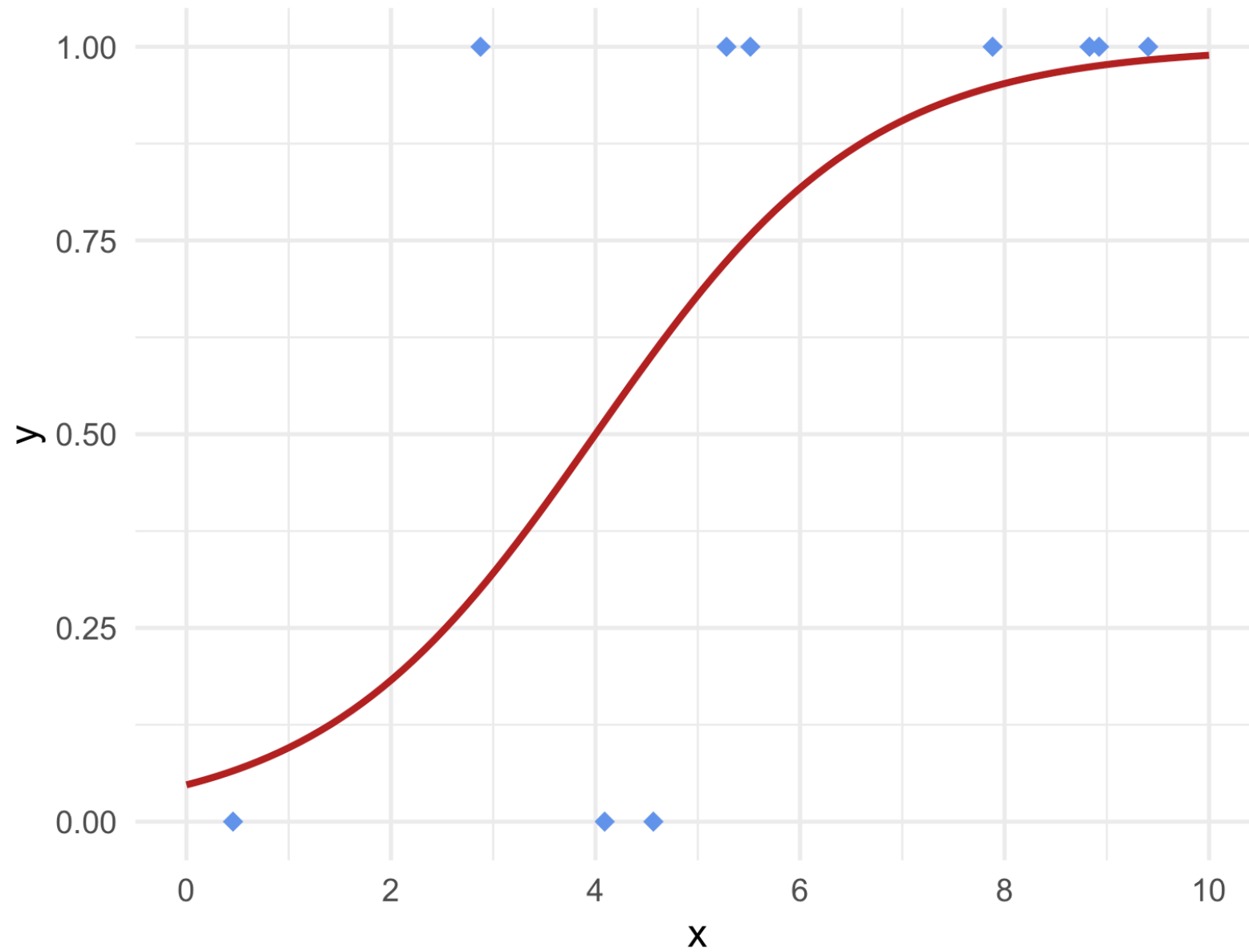
Likelihood



Likelihood



Likelihood



Coefficient estimation

