Logistic Regression

Recap

What is logistic regression?

A supervised learning algorithm for classification, i.e. a way to determine which category a data point belongs to given some historical/existing data.

Refers to one or more measurements on a single member of a statistical population. e.g. for a presidential candidate, a single data point would include their name, political party affiliation, gender, etc.

Homework Review

Case study - I

LAPD misclassified nearly 1,200 violent crimes as minor offenses

Prior to the investigation, the LA Times journalists would've known that:

- LAPD records more than 100,000 serious offences a year

- Serious offences include: homicide, rape, robbery, aggravated assault, burglary, theft, motor vehicle theft, and arson

…which would inform their public records requests as well as their sense for how much data they need to conduct the investigation.

Case study - II

Speed Trap:
Who Gets A Ticket,
Who Gets A Break?