Logistic Regression

INFO 370

Learning Objectives

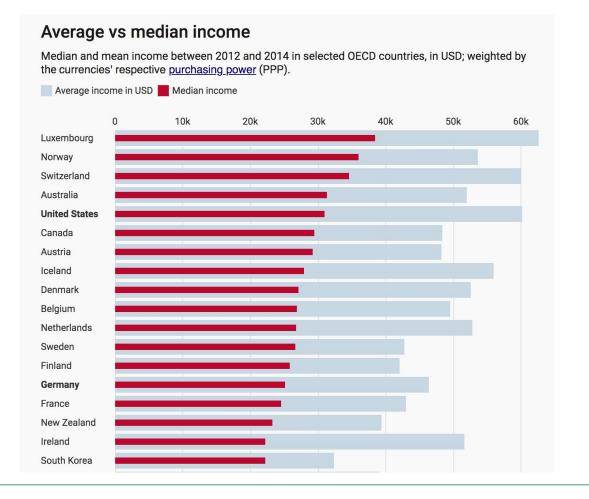
Understand the use-cases for logistic regression

Implement a logistic regression in Python

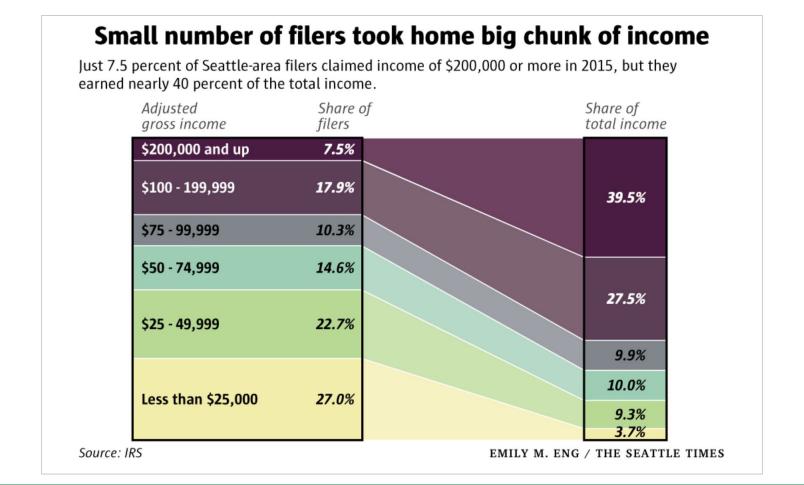
Be able to interpret and communicate your results (beta values)

Construct and interpret a **confusion matrix** using your results

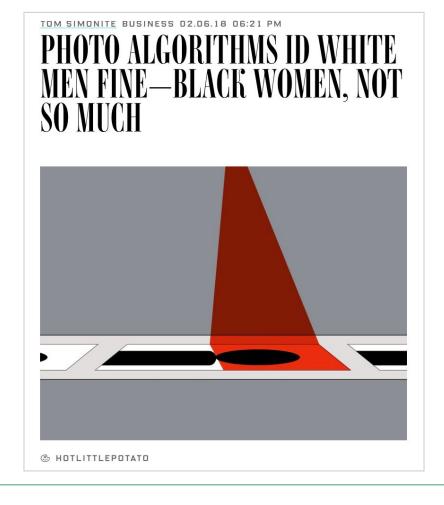
Create and interpret an ROC Curve



The importance of the right metrics (<u>link</u>)



Simple graphics can be as powerful as complex metrics (link)



Importance of model validation (<u>link</u>)

Notebook 5

Upcoming...

a3-modeling due *next Tuesday*

Notebook 5 due Friday night

Next Week

Machine Learning