





















©Carlos Guestrin 2005-2013









Boosting and Logistic Regression Logistic regression assumes: $P(Y = 1|X) = \frac{1}{1 + \exp(f(x))}$ And tries to maximize data likelihood: $P(\mathcal{D}|H) = \prod_{j=1}^{N} \frac{1}{1 + \exp(-y^j f(x^j))}$ Equivalent to minimizing log loss $\sum_{j=1}^{N} \ln(1 + \exp(-y^j f(x^j)))$







































































