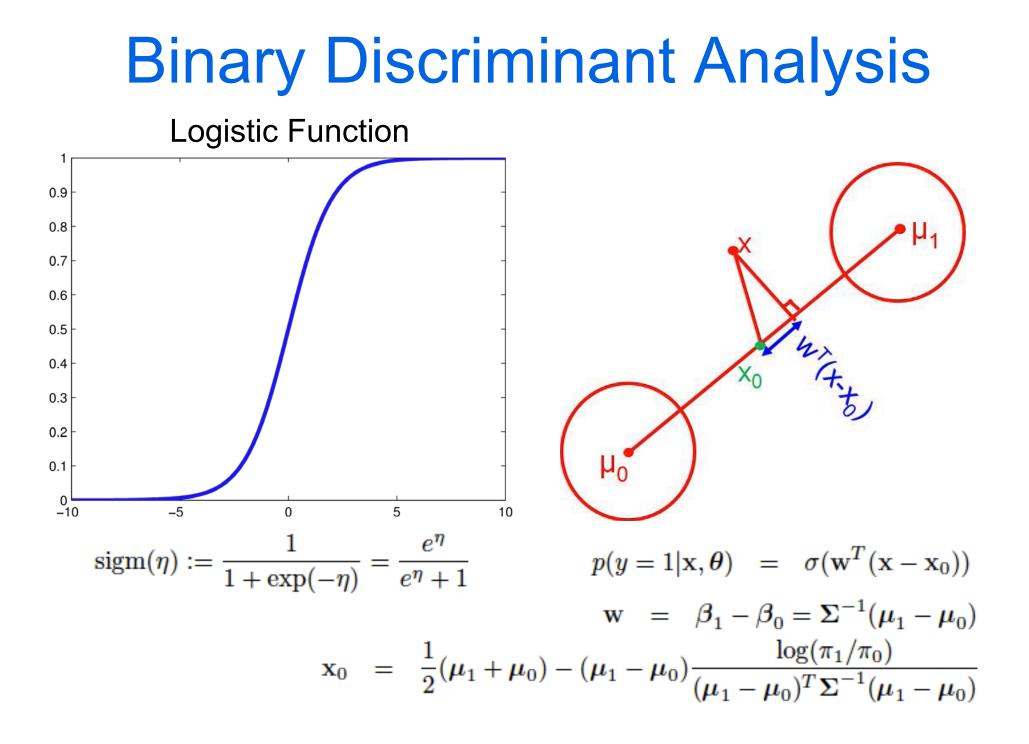
## Introduction to Machine Learning

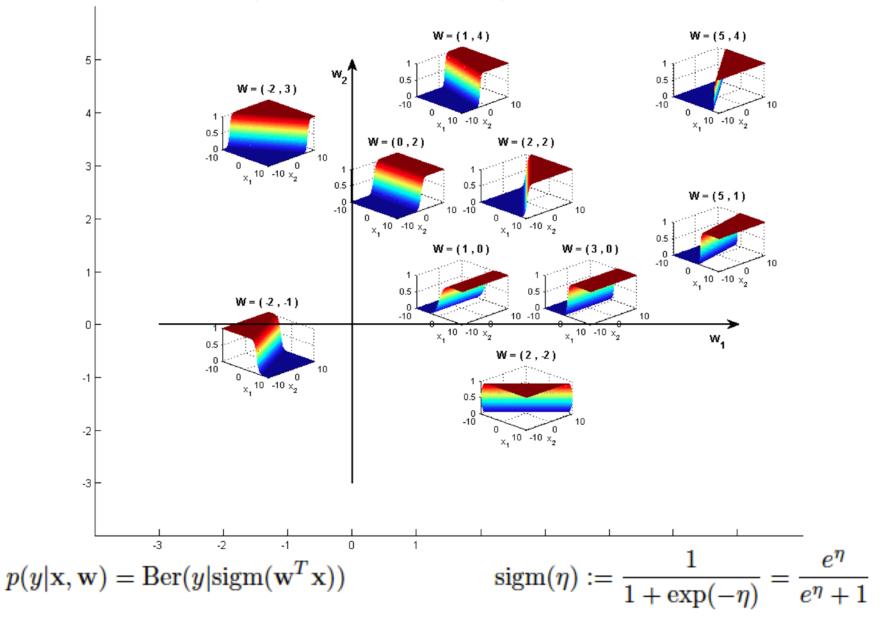
## Brown University CSCI 1950-F, Spring 2011 Prof. Erik Sudderth

Lecture 11: Stochastic Gradient Methods, Iteratively Reweighted Least Squares

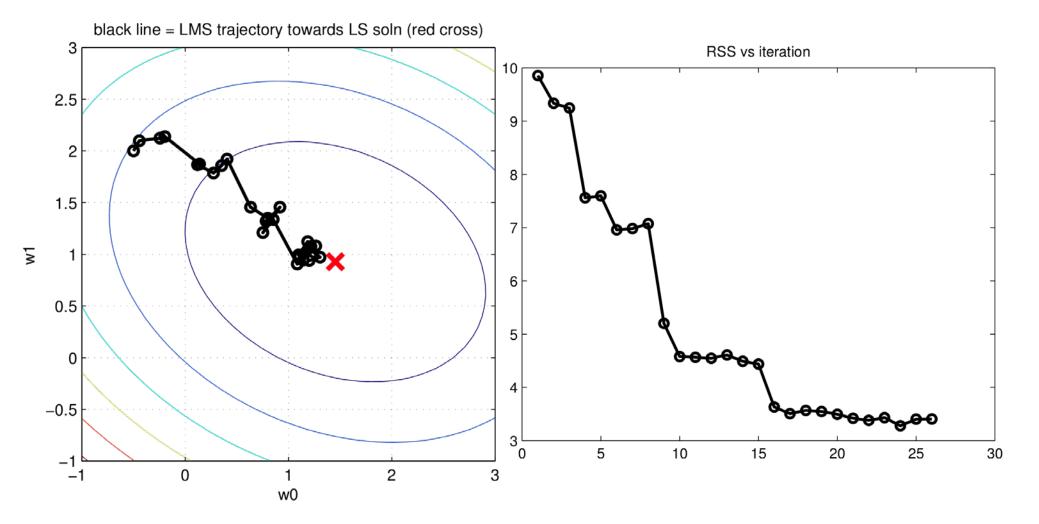
> Many figures courtesy Kevin Murphy's textbook, Machine Learning: A Probabilistic Perspective



## **Logistic Regression**



## Least Mean Squares (LMS)



Stochastic gradient descent applied to linear regression model