

Logistic Regression as a Neural Network

- ✔ **Video:** Binary Classification
8 min
- ✔ **Video:** Logistic Regression
5 min
- ✔ **Reading:** Clarification about Upcoming Logistic Regression Cost Function Video
1 min
- ✔ **Video:** Logistic Regression Cost Function
8 min
- ✔ **Reading:** Clarification about Upcoming Gradient Descent Video
1 min
- ✔ **Video:** Gradient Descent
11 min
- ✔ **Video:** Derivatives
7 min
- ✔ **Video:** More Derivative Examples
10 min
- ✔ **Video:** Computation graph
3 min
- ✔ **Video:** Derivatives with a Computation Graph
14 min
- ✔ **Video:** Logistic Regression Gradient Descent
6 min
- ✔ **Video:** Gradient Descent on m Examples
8 min
- ✔ **Reading:** Derivation of DJ/dz (optional reading)
10 min

Python and Vectorization

Practice Questions

Programming Assignments

Heroes of Deep Learning (Optional)

Derivation of $\frac{dL}{dz}$

If you're curious, you can find the derivation for $\frac{dL}{dz} = a - y$ in this forum post "[Derivation of \$DL/dz\$](#) "

Remember that you do not need to know calculus in order to complete this course or the other courses in this specialization. The derivation is just for those who are curious about how this is derived.

✓ Complete

