## **Perceptron Learning - General Recipe**

What is the typical recipe for learning parameters of a model

1. Consider the following data

|  |  |  |
| --- | --- | --- |
| **Weight**  **x1** | **Screen Size**  **x2** | **Liked(y)** |
| 0.19 | 0.64 | 1 |
| 0.63 | 0.81 | 1 |
| 0.33 | 0.67 | 0 |
| 1 | 0.88 | 0 |

1. Randomly initialize parameters w1(𝜃1), w2(𝜃2) and b(𝜃0)
2. Iterate over data:
   1. L = compute\_loss(xi)
   2. update(w1,w2,b,L)
   3. Repeat till satisfied, till zero loss or some defined value ε is reached.