

002 tldr: Perform binary classification on the spirals dataset using a multi-layer
 003 perceptron. You must generate the data yourself.

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008 **Problem Statement** Consider a set of examples with two classes and distributions as
 009 in Figure 1. Given the vector $x \in \mathbb{R}^2$ infer its target class $t \in \{0, 1\}$. As a model
 010 use a multi-layer perceptron f which returns an estimate for the conditional
 011 density $p(t = 1 | x)$:

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$$f: \mathbb{R}^2 \rightarrow [0, 1] \quad (1)$$

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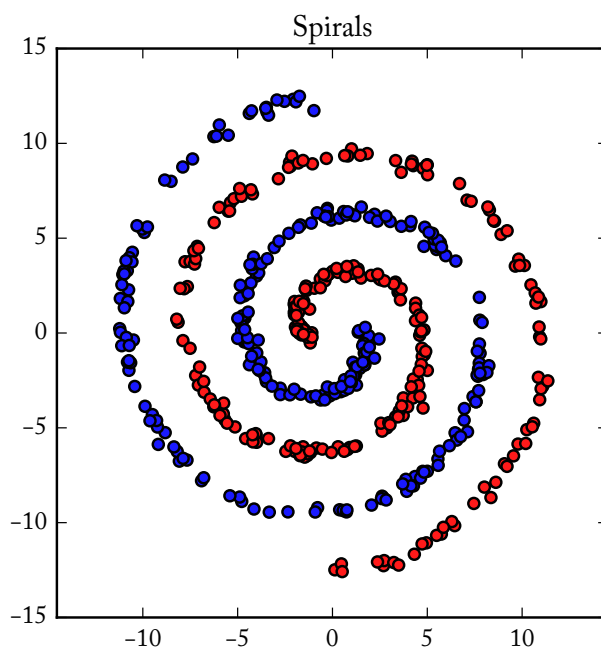


Figure 1: Sample spiral data.