Machine Learing HW1

1) Machine Learning (general) Define the terms:

1. “supervised learning”,
   1. Learn a function from a set of input-output-pairs
   2. automated classification. Example: optical character recognition
2. “unsupervised learning”,
   1. Identify structures in data.
   2. automated categorization (e.g. via cluster analysis), parameter optimization (e.g. via expectation maximization), and feature extraction (e.g. via factor analysis).
3. “reinforcement learning”.

3) a) weights