5. A Concrete Example of a Supervised Learning Task

Exercises due Feb 15, 2023 08:59 -03 Completed

Movie Recommender Problem

0:00 / 0:00 1.0x

Video

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Feature Vector Demystified 1

1/1 point (graded)

We have a movie recommending system that reads description of each movie and dete characteristics of the movie. In particular, it examines whether each of the criterion bel movie:

1. Is it a comedy movie?
2. Is it an action movie?
3. Was the movie directed by Spielberg?
4. Do dinosaurs appear in the movie?
5. Is it a Disney film?

Submit You have used 1 of 3 attempts

Feature Vector Demystified 2

1/1 point (graded)

Question 2: What is the dimension of the feature vector of this movie?

5

Submit You have used 2 of 3 attempts

Training Set vs Test Set 1

1/1 point (graded)

The ultimate goal of our recommending system is to predict whether John will like this movie recommending system knows whether John likes or dislikes the following movies

	comedy	action	Spielberg	Dinosaur Appearance	Disney	**Like**
movie 1	0	1	0	0	1	
movie 2	1	1	1	0	0	
movie 3	0	1	0	1	1	
movie 4	1	1	0	1	0	

(Like is denoted as and dislike as in the above table) On the other hand, the movi not know whether John likes the following movies when building the model, but will kn is built:

Submit You have used 3 of 3 attempts

Training Set vs Test Set 2

1/1 point (graded)

Question 2: What movies are in the **training set**? Select all those apply.

- [x] movie 1
- [x] movie 2
- [x] movie 3
- [x] movie 4
- [ ] movie 5
- [ ] movie 6
- [ ] movie 7

✔

Submit You have used 2 of 3 attempts

Training Set vs Test Set 3

1/1 point (graded)

Question 3: What movies are in the **test set**? Select all those apply.

- [ ] movie 1
- [ ] movie 2
- [ ] movie 3
- [ ] movie 4

Topic: Unit 1. Linear Classifiers and Generalizations (2 weeks):Lecture 1. Introduction to Machine Learning / 5. A Concrete Example of a Supervised Learning Task

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Tensions between data needs and data privacy!
The question of creating appropriate features is addressed in the lectures. It is important to realize that our c
Pinned Community TA

Can I get my due dates cleared?
Can I get my due dates cleared? I am not able to submit unit 0 and 1 assignments. Please help me

Wouldn't it be better to not use all the data as training set instead keep some of it for the test
For the movie recommend-er problem shouldn't we keep some of the prior data (that a user liked/disliked a s

what should the ratio for training and testing be?
I don't know if we will cover this later on but can you explain the test vs train ratio? should we assume the sa

Feature: just 1 or 0?
Can there be a feature containing categories or values other than just 1 for 'true' and 0 for 'false'? Or is it pref

Training Set vs Test Set 1
I believe that the question regards movie 5 (the first movie in the test set) as movie 1 is in the training set and

Why 2 different scales used in the video?
In the video, when the professor was ranking movies that he liked, he used the scale +1 for movies he liked a

Feature size and quality
Does the feature need to have a perceived relationship with the Label (prediction)? If not necessarily, what a