

Understanding Transfer Learning

TOTAL POINTS 2

1. Transfer learning is (select all that apply):

1 / 1 point

- ☒ Something of a fuzzy term that means different things to different people



Correct! We have used this to describe learning across different domains or tasks, or dealing with shifts in distributions. See the video on transfer learning for more detail.

- ☐ Always a useful approach
- ☐ One of the four major types of machine learning.
- ☒ About taking knowledge learned for one task and applying it to another



Correct. At a high level, this is what transfer learning is about. See the video on transfer learning for more detail.

- ☐ Required for generalization
- ☐ Never a useful approach
- ☒ Can involve pre-training on related data sets



Correct! One form of transfer learning involves an initial training phase on some generally-applicable training set, as in word embeddings. See the video on transfer learning for more detail.

2. What are word embeddings?

1 / 1 point

- ☐ The most significant form of transfer learning
- ☐ The thing that invokes the curse of dimensionality
- ☐ Encodings for the meaning of words
- ☒ Transformations of words into some vector space.



Correct! See the reading on Word Embeddings for more detail.