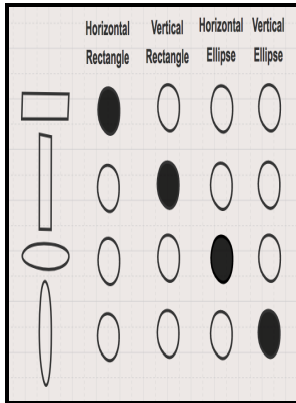


# Learning distributed representations of relational data using linear relational embedding.

## - - How neural networks learn distributed representations



Description: -

-Learning distributed representations of relational data using linear relational embedding.

-Learning distributed representations of relational data using linear relational embedding.

Notes: Thesis (Ph.D.) -- University of Toronto, 2002.

This edition was published in 2002



Filesize: 31.82 MB

Tags: #What #is #representation #learning?

## CiteSeerX — Learning distributed representations of concepts from relational data using linear relational embedding

A unique capability of our implementation is that training can be distributed to multiple clients acting concurrently, and each can actually operate on a different subset of the data. *Journal of Machine Learning ...*, 12, 2563—2581.

### [2005.06437] On Embeddings in Relational Databases

The key idea is to represent concepts as vectors, binary relations as matrices, and the operation of applying a relation to a concept as a matrix-vector multiplication that produces an approximation to the related concept.

### [PDF] Learning Multi

We might want the individual coordinates of a representation to represent something meaningful. A representation for concepts and relations is learned by maximizing an appropriate discriminative goodness function using gradient ascent.

### [2005.06437] On Embeddings in Relational Databases

Or, at least, what I think of as the first principal component of representation learning. When processing our message data, we created a mapping of our vocabulary to an integer index.

## How neural networks learn distributed representations

The concept of distributed representations is often central to deep learning, particularly as it applies to natural language tasks. He and Jianfeng Gao and L. But the same kinds of models are widely used today, albeit in a more modern form, in statistics and machine learning.

## Learning Distributed Representations of Relational Data using Linear Relational Embedding

The paper is written from a cognitive science perspective, where the algorithms are used to model human similarity judgments and reaction time data, with the goal of understanding what our internal mental representations might be like.

#### **[2005.06437] On Embeddings in Relational Databases**

Learning human-like knowledge by singular value decomposition: A progress report. Note, of course, that we could also predict for the subject just as easily.

#### **Learning Distributed Representations of Relational Data using Linear Relational Embedding**

Our results show several interesting findings....

## Related Books

- [Diseases of greenhouse plants](#)
- [Some notes on the control of smoke in enclosed shopping centres.](#)
- [How theatre educates - convergences and counterpoints with artists, scholars and advocates](#)
- [Grotta Nuova - la prima unità culturale attorno all'Etruria protostorica](#)
- [Exchange of Notes \(Sept. 1 and 2, 1944\) Between Canada and the United States of America Recording Ca](#)