Relational Graph Neural Networks

Many important real-world datasets come in the form of graphs or networks: social networks, knowledge graphs, protein-interaction networks, the World Wide Web, etc. (just to name a few). Yet, until recently, very little attention has been devoted to the generalization of neural network models to such structured datasets. Recent works (see [1,2,3]) show the possibility of using convolutional nets on graphs. In this project, we are interested in lifting these approaches to multi-relational data. In particular, we are interested in applying such methods to data issued from open educational resources.

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