



## Deep Learning for Temporal Knowledge Graph

Humans deal with different types of knowledge in daily life. An efficient way of processing knowledge with computer is to organize knowledge into graphs. People have collected millions of different knowledge graphs over the years. Thus, how to process these knowledge graphs becomes an important topic. Recently, another type of knowledge graph, which takes temporal information into account, has drawn much attention from researchers as well as industries.



Temporal knowledge graph encodes temporal information, which is helpful for downstream tasks such as forecasting and prediction.

Therefore, in this research project we will develop new machine learning algorithms to model and characterize these temporal knowledge graphs for interesting downstream prediction and forecasting tasks. We will have weekly meetings to address questions, discuss progress, and think about future ideas.

**Requirements:** Strong motivation, proficiency in Python & PyTorch, and prior knowledge in Deep Learning & Nature Language Processing.

**Interested? Please contact us for more details!**

### Contact

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