

Chapter 1

Introduction, related works, research objectives and thesis outline.

Chapter 2

The prerequisite part of recommendation: proposed a knowledge labelling model based on Bi-LSTM and GCN for knowledge points tagging, designed related experiments and performed result analysis.

Chapter 3

The core part of recommendation: proposed an improved graph-based DKVMN knowledge tracing model with behavior feature for students' knowledge mastery evaluation, designed related experiments and performed result analysis.

Chapter 4

The functional part of recommendation: proposed a recommendation system consisting of matching and ranking, designed related experiments and performed result analysis.

Chapter 5

Conclusion and future work.