

**Supervisor:** Dr. LUO Dehui

**Title 1: Statistical learning in meta-analysis**

**Description:**

This project is aimed to help students develop basic understandings about meta-analysis for evidence-based medicine. Students can choose to write a literature review about this field, conduct real data analysis or build up improved statistical methodologies for this area. The underlying theory is not very complicated and can be easily understood by students from mathematical or statistical background.

**Title 2: Application of statistical models in real data analysis**

**Description:**

This project is aimed to ask students to conduct a real data analysis. Students can apply the theoretical knowledge they have learned to build up models and to fit the real data set.