

CS 541 Artificial Intelligence: Homework 2

Instructor: Jie Shen

Due: 10/16/2020, 8:00 pm EST

We have spent a number of lectures discussing advanced topics in probability, linear algebra, and calculus. We also learned the intrinsic connection among them, and learned how to leverage the well-established facts in these fields to derive efficient and provable algorithms such as random projection (for search engine) and recommendation. Now it is the time for you to review and reflect on these subjects, to sketch the graph in your mind, and to share your personal thoughts.

In this homework, you are required to write down either your feeling or understanding of the course. For example, you could give a summary of the lectures, or elaborate on the problems that confuse you, or share your personal exciting (or terrible) experience during and after the class. Discussion is encouraged for sure, but you are expected to write down your own words. Again please acknowledge those who helped you when turning in your homework.

No page limits. You need to typeset your homework with Latex, and upload the compiled PDF file.