Summary & Pilot study examples

19ʰ October 2021

What You Learn During *Semester 1/2*

1. Understand what **big data** is.

2. Understanding the **global open source database** and the data structures it provides for **COVID-19**.

3. Learn the **python coding method** required for big data processing.

4. Learn **DBMS technology** to effectively utilize the collected big data.

5. Midterm exam: Submit video presentations for each student about what they have done so far.

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Preparing for your Midterm Video

Things to keep in mind while preparing for the midterm exam video

1. Presentation time: 15 minutes
2. File Format: mp4
3. Contents:
   - ✓ A brief summary of what has been learned in the first half semester.
   - ✓ Description of the process and results of practices on your own PC.
   - ✓ A rough plan of the pilot study to be carried out during the second half semester.

What is Pilot Study?

- During the second half semester, you will practice various correlation analysis related to COVID-19 using the coding and DBMS skills learned during the first half semester.

- Conduct your own unique pilot study using various COVID-19-related data and analysis techniques covered through this class.

- In the final exam video, the contents of the pilot study conducted by the student will be mainly presented.

Important Scoring Points

1. Have you practiced what you learned in class well?
2. How did you solve the problems encountered during the practice?
3. How practical and creative is the plan for the pilot study?