Homework 3 (기계학습)

**Instructions**

For this homework, please use the enclosed dataset, named “dataset\_hw3.xlsx”

First, split the dataset into training and test datasets (You can use the cross-validation method).

The dependent variable is “num\_viewers.”

Apply several different machine learning algorithms to the dataset, which should include those algorithms covered in the course. In a report, you need to describe not only 1) what algorithms you have applied but also 2) how you used them, and explain 3) their results. **You need to try to increase the prediction accuracy** of each algorithm (or model).

**What to submit:**

1) Submit the report either in a Word file or 한글 file.

**Where to submit:** YSCEC

**Deadline**: June 21, 2am.