

Artificial Intelligence

Homework Assignment 4.

1. Consider the table below, which presents a simplified example of stock prices observed at five time points for *AllElectronics* and *HighTech*, a high-tech company. If the stocks are affected by the same industry trends, will their prices rise or fall together? Explain your answer.

(5 pts)

Stock Prices for *AllElectronics* and *HighTech*

Time point	<i>AllElectronics</i>	<i>HighTech</i>
t1	6	20
t2	5	10
t3	4	14
t4	3	5
t5	2	5

Submitting your assignment :

- Due date: Zip your file and upload it at <https://lms.mju.ac.kr> by 24:00 Monday April 4th, 2022.
- Your homework cover page must be of the form provided by the courseware.
- You must zip your homework with the homework cover page, and your homework file name must be of the form "hw4_StudentId_StudentName.zip", i.e., hw4_60063539_우상덕.zip.
- You must protect your homework from others. Any form of academic dishonesty will not be tolerated. If you get caught, you will receive -5 points for this homework!
- This assignment is 5 points total and **we will not accept any late homeworks!**