

AI활용 표현과 문제해결

정상근

Sangkeun Jung

Big Picture



Perception

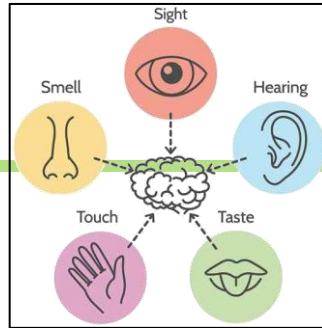
지능 + 행동

Application

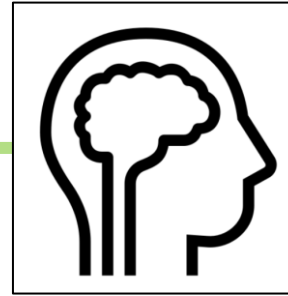
Intelligence - Process



[Real World]



[Senses]



[Brain]



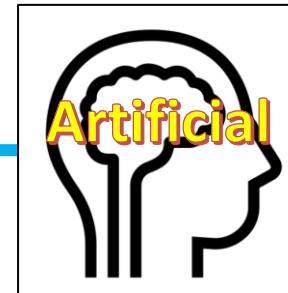
[Intelligence]



[Real World]



[Sensors]



[Intelligence Engine]



[Intelligence]

Image : <https://marcus-jackson.com/2018/07/31/the-five-senses-and-the-first-day-of-school/>

Image : <https://icons8.com/icon/uxYsijalErJ/head-with-brain>

Image : https://www.flaticon.com/free-icon/motion-sensor_327804

Image : <https://docs.unity3d.com/Manual/class-Microphone.html>

Image : <https://www.ti.com/ko-kr/microcontrollers/msp430-ultra-low-power-mcus/capacitive-sensing-mcus-overview.html>

Image : https://www.flaticon.com/free-icon/bio-sensor_1452233

[Real World]

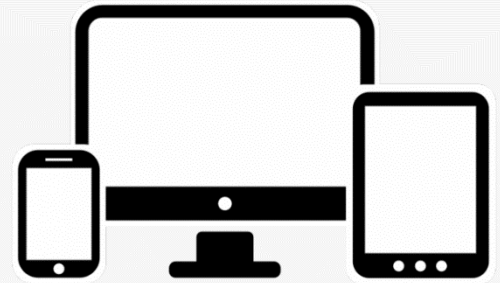


Representation
(표현)



Application
(적용)

[Computing World]



Problem Solving
(해결)

[Real World]



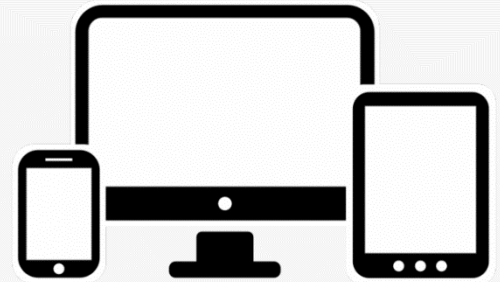
Representation
(표현)



Application
(적용)

TOOL = AI

[Computing World]



Problem Solving
(해결)

TOOL = AI

Course Objectives

How to Represent 'REAL WORLD' with AI

How to Solve the Problems with AI

Practice to Design AI Problems

AI : CASES



REPRESENTATION
Methods



PROBLEM SOLVING
Methods

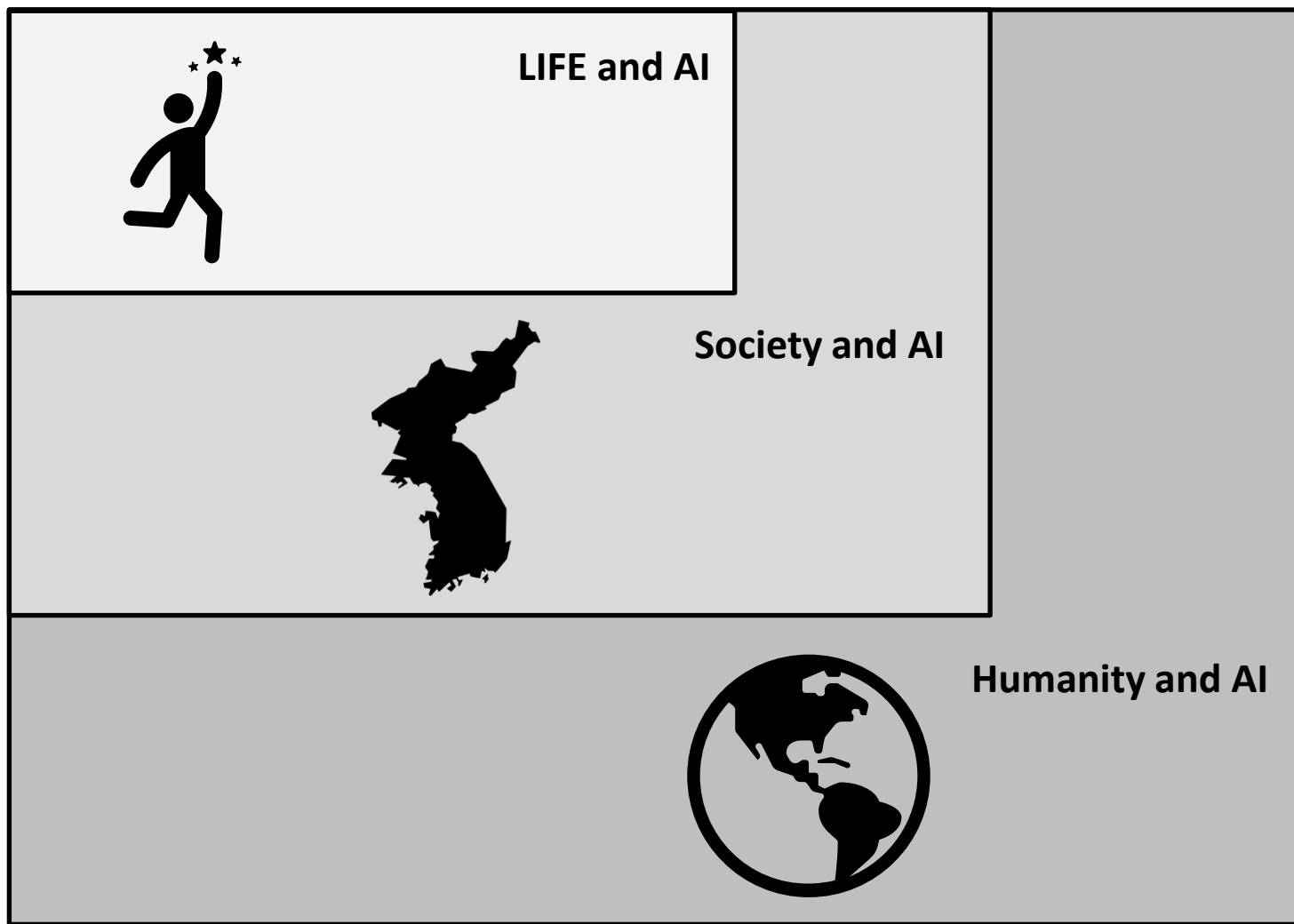
DATA 별 표현방법 소개

AI 주요 방법론 소개



DESIGN
Practices

AI CASES



Course Overview

<i>Week 1</i>	Syllabus, AI Overview
<i>Week 2</i>	LIFE and AI #1
<i>Week 3</i>	LIFE and AI #2
<i>Week 4</i>	LIFE and AI #3
<i>Week 5</i>	LIFE and AI #4
<i>Week 6</i>	Society and AI #1
<i>Week 7</i>	Society and AI #2
<i>Week 8</i>	Society and AI #3
<i>Week 9</i>	Society and AI #4
<i>Week 10</i>	Humanity and AI #1
<i>Week 11</i>	Humanity and AI #2
<i>Week 12</i>	Humanity and AI #3
<i>Week 13</i>	Humanity and AI #4
<i>Week 14</i>	Final Exam
<i>Week 15</i>	Semester Review

Evaluation

Midterm :  **40%**

Final Exam :  **50%**

Attendance :  **10%**

Midterm can be replaced as code-test or design-project.

Contact Information | Professor



Sangkeun Jung

E-mail : hugmanskj@gmail.com,
hugman@cnu.ac.kr

Laboratory : Intelligent Software
Office : W5624

Contact Information | Teaching Assistant



Sehun Hu (허세훈)

E-mail : sehunhu5247@gmail.com

Laboratory : Intelligent Software

Office : W5602