

# COURSE DETAIL

## APPLIED DATA SCIENCE

**Country**

Japan

**Host Institution**

Tohoku University

**Program(s)**

Engineering and Science

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

50

**UCEAP Course Suffix****UCEAP Official Title**

APPLIED DATA SCIENCE

**UCEAP Transcript Title**

APPLIED DATA SCI

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

This course teaches basic knowledge of the programming language python, as well as data analysis skill via empirical application.

This course aims to provide:

1. An understanding of the basic knowledge of the programming language python
2. An understanding of the basic machine learning methods, i.e., regression analysis.
3. An understanding of the data analysis process including data pre-processing, analysis, and the interpretation for the results based on real data.

## Language(s) of Instruction

### Host Institution Course Number

N/A

### Host Institution Course Title

APPLIED DATA SCIENCE

### Host Institution Course Details

[https://gkms3.bureau.tohoku.ac.jp/sa\\_gj/slbssbdr.do?value\(risyunen\)=2023&value\(...](https://gkms3.bureau.tohoku.ac.jp/sa_gj/slbssbdr.do?value(risyunen)=2023&value(...)

### Host Institution Campus

Tohoku University

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Economics

**Course Last Reviewed**

2022-2023

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