

# COURSE DETAIL

## REGRESSION ANALYSIS

**Country**

Korea, South

**Host Institution**

Korea University

**Program(s)**

Korea University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Statistics

**UCEAP Course Number**

109

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

REGRESSION ANALYSIS

**UCEAP Transcript Title**

REGRESSION ANALYSIS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course covers the concept of regression analysis. Students learn to perform statistical inferences in linear regressions and carry out regression analysis using data examples. The course examines the setting and suitability of regression models and model diagnosis. Simple linear regression, multilinear regression, variable selection, and nonlinear regression are included, and statistical package programs such as SAS are used.

Topics include Simple Linear Regression, Simple Linear Regression, Multiple Linear Regression, Multiple Linear Regression, Regression Diagnostics, Regression Diagnostics, Qualitative Variables as Predictors, Transformation of Variables, Weighted Least Squares, The Problem of Correlated Errors, Analysis of Collinear Data, Variable Selection Procedures.

## Language(s) of Instruction

English

## Host Institution Course Number

STAT342

## Host Institution Course Title

REGRESSION ANALYSIS

## Host Institution Course Details

<https://infodepot.korea.ac.kr/lecture1/lecsujectPlanViewNew.jsp?year=2025&term...>

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2025-2026

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