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# School Name

## COURSE 0000-01
## Introduction to Regression Analysis with Excel
## Fall 2018

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| **Instructor:** | Joon H. Ro | **Office Phone:** | (000) 000-0000 |
| **Office:** | BLDG 100 | **E-mail:** | joon.ro@outlook.com |
| **Office Hours:** | Tue 3:30-4:30pm | **Course Site:** | **github.com** |
| **Class Meeting Day & Time:** | Tue/Thurs, 9:30a-10:45 | **Class Location:** | BLDG 100 |

## Course Description

This course provides students with Introduction to Regression Analysis with Excel.

## Course Prerequisites

- Basic Statistics knowledge

## Student Learning Objectives

As the result of this course, students should be able to:

- Interpret regression results

- Understand how to implement elasticity models in regression

- Run regression analysis in Excel

## Course Material

**Documentation**  Handouts, readings, and assignments will be uploaded to the repository.

**Software**  Most data manipulations and analyses will be done using Microsoft Excel. (Please bring your laptop for each class for in-class exercises)

> **Note for Mac users**
>
> - It is required that you have **Excel 2016 for Mac** installed in your device for this course, as `Data Analysis ToolPak` and `Solver` add-ins are not available in previous versions of Microsoft Excel for Mac. It still has some limitations comparing to the Windows version, but you will be able to accomplish most of tasks.

## Class Schedule

| Date | Class | Topic |
|------|-------|-------|
| 2018-08-28 Tue | 1 | Regression Analysis: Introduction |
| 2018-08-30 Thu | 2 | Hypothesis Testing for a Mean and Significance of Regression Coefficients |
| 2018-09-04 Tue | 3 | Multiple Regression and Categorical Variables |
| 2018-09-06 Thu | 4 | Design of Price and Advertising Elasticity Models |
| 2018-09-11 Tue | 5 | Interaction Effects and Overfitting |

**Disclaimer**

- The class schedule is subject to change (except for the exam dates)