School Name

COURSE 0000-01
Introduction to Regression Analysis with Python
Fall 2018

Instructor:	Joon H. Ro	**Office Phone:**	(000) 000-0000
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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 Org-Coursepack, a modular and reusable teaching materials template in org-mode. Using self-explanatory course contents, students will be able to adapt the template and create their on course contents through Org-mode.

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 Python

Course Material

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

Software Most data manipulations and analyses will be done using Python

> **Note**
>
> - Please install Anaconda (can be downloaded from `https://www.anaconda.com/download/`). Make sure you install Python 3.6 version (64-bit version is recommended)
> - Please bring your laptop for each class for in-class exercises

Class Schedule

Date	Class	Topic
2018-08-28 Tue	1	Introduction to Python: Devel Environments and Language Basics
2018-08-30 Thu	2	Regression Analysis: Introduction
2018-09-04 Tue	3	Hypothesis Testing for a Mean and Significance of Regression Coefficients
2018-09-06 Thu	4	Multiple Regression and Categorical Variables
2018-09-11 Tue	5	Design of Price and Advertising Elasticity Models
2018-09-13 Thu	6	Interaction Effects and Overfitting

Disclaimer

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