* Course Keywords	International development, policy evaluation, international development cooperation, evaluation methodology, econometrics, regression analysis	
*** 1. Purpose of Course**	**Korean**	전 세계적으로 인과관계에 기초하여 통계적으로 정책의 효과를 측정하고 이를 개선하고자 하는 노력이 활발히 진행되고 있다. 국제개발의 주요 기관인 World Bank, Inter-American Development Bank 뿐만 아니라, 최근 미국의 대외원조기구 USAID, 미국 및 일본 정부에서도 통계적인 정책효과분석(impact evaluation)을 정책수립의 기본 프로토콜로 법제화한 바 있다. 본 과목에서는 정책효과분석을 위한 통계 방법론을 소개하고 국제개발과 관련된 정책과 실험들을 데이터에 근거하여 평가한다. 이를 위해서 RCT, DID, RD 등의 기법을 공부하고, 해당 기법을 이용하여 국제개발정책들의 효과분석을 진행한 논문들을 학습한다. 또한, 실제로 통계기법을 이용하여 논문작성을 할수 있도록 STATA 를 이용하여 통계분석을 진행한다. 학생들은 학습한 통계 기법을 이용하여 관심이 있는 국제개발 정책을 통계를 이용하여 실증 분석하고, 이를 final project 로 발표한다.
	English	A growing number of countries and international organizations aim to improve the precision of their policy evaluations. Examples include World Bank, Inter-American Development Bank, USAID, the US federal government and Japanese governments. The main goal of this course is to equip students with conceptual frameworks and quantitative methods to test to what extent a policy intervention is successful/effective. To achieve that goal, we will examine key statistical and econometrics tools actively used by researchers and policy makers. Examples of such tools include randomized trials, natural experiments, difference-in-difference, instrumental variables, and regression discontinuity. In addition, we will read relevant research papers examining development policies. There will be assignments for students to practice using empirical tools and a final project. For that purpose, we will use STATA. Students may use another statistical package of their choice, but the instructor may not be able to provide detailed guidance.

Required Textbook:

Agresti, Franklin, and Klingenberg, Statistics: The Art and Science of Learning from Data

Impact Evaluation in Practice, Second Edition (World Bank, Inter-American Development Bank)

This book is freely available at https://www.worldbank.org/en/programs/sief-trust-fund/publication/impact-evaluation-in-practice

Other References:

Stock and Watson, Introduction to Econometrics

Angrist and Pischke, Mostly Harmless Econometrics: An Empiricist's Companion

Angrist and Pischke, Mastering 'Metrics

* 2. Materials and Reference — (section label for the above block)

* 3. Evaluation Method

Evaluation:	Absolute Evaluation, Grade−on−a−curve Evaluation				
Grading Type:	A~F				
Evaluation Items	Attendance	Quizzes & Assignments	Final project	Attitude	Total
Rate	15	20	50	15	100%

	Note		Individual presentations and assignments			
	Attendance Policy :	Students who are absent for over 1/3 of the class will receive a grade of 'F' or 'U' for the course (Exceptions can be made when the cause of absence is deemed unavoidable by the course instructor).				
	Other:	Cheating regulation, Plan for substitute test, Availability of feedback for assignments or tests, etc.				
* 4. Quota Exceeding Course Registration	**Capacity:**	**Up to 10 Students**				
5. Guideline for Students	**Korean**	선이수 교과목 등 수강 시 필요 사항 본 과목은 M2050.001200 (국제통상 데이터 분석) 또는 (국제개발 정책평가) 과목을 수강한 학생들만 수강 가능함. 단, 양적연구 능력에 관하여 학생의 역량이 확인된 경우, 면제 가능함. **수강을 위해서, 교수님의 사전동의가 필요함. 만약 수강을 원할 경우, 김경현 조교에게 2022년 8월 6일까지 자신의 CV와 학기동안 수정, 마무리하고 싶은 논문을 제출해야함. 제출 후, 3일이내로 확인 메일이 발송될 예정.**				
		면담시간 및 장소 : 비대면 ** 김경현 조교 (hyun893@snu.ac.kr) 에게 사전 문의				
	English	Prerequisite: This class is only open to those who have successively taken M2050.001200 (Data Analytics for International Commerce), or M2050.001000 (Impact Evaluation for Development Policies). An exemption may be granted if a student demonstrates his/her capability regarding quantitative research skills. **For enrollment, you need to get the instructor's approval. If interested, please email your CV and the research paper you want to complete during the course to the TA (Ms. Kim Kyung Hyun) by August 6th, 2022. We will get back to you in 3 business days for confirmation.**				
		Office Hours and Place: Online ** check the availability with the TA, Ms. Kyung Hyun KIM (hyun893@snu.ac.kr) in advance				
* 6. Lecture Plan	**Teaching Method**	Project class				
	Korean					
	English	This class will be conducted mostly online – using videoconferencing (zoom) and pre-recorded lectures.				
	Class Schedule					
	Week	**Topics and Contents**				
	1	Introduction (Ch 1) & Basic Statistics 1				
	2	Basic Statistics 2				
	3	Regression Analysis				
	4	Causal Inference 1				
	5	Causal Inference 2				
	6	RCT				

	7	Panel Models
	8	Quiz
	9	DID
	10	IV
	11	How to choose a method (Ch 11) How to find a dataset (Ch 16)
	12	How to choose a sample (Ch 15)
	13	Student presentation
	14	Recent developments in Impact Evaluation: Big Data and Machine Learning
	15	Final project (due)
7. Support Services for Students with Disabilities ※ You can modify these default contents.	For Lectures	○ Visual Impairment: Make textbooks(digital textbook, braille textbook, enlarged textbook etc.), Allow note takers ○ Physical Disability: Make textbooks(digital textbook), Allow note takers and assistants ○ Hearing Impairment: Allow note takers and translators, Allow lecture recording ○ Health Impairment: Excuse absence due to health problems, Allow note takers ○ Learning Disability: Allow note takers ○ Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors
	For Assignments & Evaluations	○ Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment / Learning Disability: Extend assignment deadlines, Offer alternate assignment submission and response method, Extend testing period, Offer alternate testing method, Offer different testing room ○ Intellectual Disability / Autism Spectrum Disorder: Offer individualized assignments and alternative evaluations
	Other	Students who take this course can get appropriate level of support service including the support listed above depending on the students' individual characteristics and needs through consultation with professors and the Support Center for Students with Disabilities. If you have any questions concerning support service for students with disabilities you can contact Professor *** (02-880-****) or Support Center for Students with Disabilities (02-880-8787).
8. Guidelines for COVID-19 confirmed cases during face-to-face class	Class	Switch to non-face-to-face classes when there are confirmed cases. ※ According to the guidance of SNU Health Service Center/administrative office, if necessary, the test will be conducted, and the class will be held non-face-to-face for 2 weeks ※ Even if a confirmed case occurs in a classroom or building where face-to-face classes are being held, the classes will be switched to non-face-to-face during the disinfection period according to the guidance of the administrative office.
	Students	Confirmed cases, suspected cases, and patients under investigation must act in accordance with the guidelines of the Korea Disease Control and Prevention Agency and also submit 「Application for Recognition of Attendance」 to the faculty to receive recognition of attendance during self-quarantine period ※ Student must attend non-face-to-face classes if possible