



“Quantitative Methods for Public Policy Analysis”

Instructor: Prof. Bruno Cautrès, *Sciences Po, Paris*

WEEK 1		WEEK 2	
Monday, June 4, 2018	Introduction: Presentation of the class, general introduction, The role of quantitative analysis in public policy analysis and evaluation, basic notions and introduction to statistics	Monday, June 11, 2018	Difference in Differences: natural experiments for exogenous treatment
Tuesday, June 5, 2018	Correlation/Causality, Potential Outcomes and the Rubin model	Tuesday, June 12, 2018	Instrumental Variables
Wednesday, June 6, 2018	Statistical association, comparison of groups, correlation: basic tools for quantitative analysis of policy and political data	Wednesday, June 13, 2018	Regression discontinuity designs
Thursday, June 7, 2018	Multiple linear regression model as a general framework for testing differences: regression with dummies and interactions as a first approach to test for treatment effect	Thursday, June 14, 2018	Analyzing categorical policy preferences and utilities: binomial logistic regression
Friday, June 8, 2018	Chow test as a first approach to test for discontinuities design effect	Friday, June 15, 2018	Analyzing ordered policy preferences and utilities : latent preferences measured by ordinal and multinomial logits