

Health Econometrics

Course title - Intitulé du cours	Health Econometrics
Level / Semester - Niveau /semestre	M2 / S2
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	GRAMAIN AGNES
Other teacher(s) - Autre(s) enseignant(s)	
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Other teacher(s) - Autre(s) enseignant(s)	
Lecture Hours - Volume Horaire CM	15
TA Hours - Volume horaire TD	
TP Hours - Volume horaire TP	0
Course Language - Langue du cours	Anglais
TA and/or TP Language - Langue des TD et/ou TP	

Teaching staff contacts - Coordonnées de l'équipe pédagogique :

n/a

Course's Objectives - Objectifs du cours :

The health care sector suffers from a critical need for quantitative analysis. A lot of individual level data are now available but analyzing these data supposes to combine a good understanding of data production in the health sector (declaring health behaviors or conditions, regulation constraint embedded in administrative dataset...) and of economic behavior regarding health and health care.

The emphasis of the course is on the use of individual level data. We will analyse scientific articles dealing with the major problems encountered in applied health econometrics: endogeneity, distributions with a large mass point at 0, selection and unobserved individual heterogeneity, latent variables, endogeneous interactions ...Several types of models will be reviewed: two-part models, selection models, panel data models, game models...

Objectives of the course

- awareness of health data specificity and peculiarity
- deeper knowledge of some micro-econometric models and methods used as a solution for theoretical and empirical problems in Health economics
- capacity to produce a critical reading of applied papers in health economics and related areas

Prerequisites - Pré requis :

No specific skill in health economics is needed to take advantage of this course. But students have to be familiar with econometric models, from a theoretical point of view, since we will focus attention on the connection between data characterization and the choice of an econometric model to apply.

Practical information about the sessions - Modalités pratiques de gestion du cours :

Students will have to read some articles on their own. These articles will then be discussed during classes. The teaching mode will be adapted to the number of students.

Grading system - Modalités d'évaluation :

The final exam consist in a written critical presentation of a published paper which has been discussed during the session.

List of articles for the evaluation

Choose one article and write an analytical note on it for your colleagues

1. Clark Andrew E., Vicard Augustin (2007) « Conditions de collecte et santé subjective : une analyse sur données européennes », Economie et statistique, n°403-404, Santé, vieillissement et retraite en Europe. pp. 143-163.
2. Carter Grace M., Newhouse Joseph P. and Relles, Daniel A. (1990), "How much change in the case mix index is DRG creep?", Journal of Health Economics, 9, pp. 411-428.
3. Buntin Melinda, Zaslavsky Alan M. (2004), "Too much ado about two-part models and transformation? Comparing methods of modeling Medicare expenditures", Journal of Health Economics, 23(3), pp. 525-542.
4. Manning et al. (1987), "health insurance and the demand for medical care: evidence from a randomized experiment", AER, 77(3), pp. 251-277
5. Lindeboom and Kerkhofs (2009), "Health and Work of the Elderly: Subjective Health Measures, Reporting Errors and Endogeneity in the Relationship between Health and Work", journal of applied econometrics, 24(6), pp. 1024-1046
6. Yang Muzhe, Lien Hsien-Ming And Chou Shin-Yi (2014), "Is There A Physician Peer Effect? Evidence From New Drug Prescriptions", Economic Inquiry, 52(1), pp. 116–13
7. Lamichhanea Dirga K., Mangyob Eiji (2011), "Water accessibility and child health: Use of the leave-out strategy of instruments", Journal of Health Economics, 30, pp. 1000– 1010

Deadline : march the 13rd, 2018