Tom GARGANI

PhD Student in Economics of Inequality

La MEGA 424 chemin du viaduc   tom.gargani@univ-amu.fr
Office 2-15
Aix-en-Provence, France

Research fields: *Theory of Inequality Measurement.*

Education

Aix-Marseille School of Economics   2022 - Present
PhD student under the supervision of N.Gravel

Aix-Marseille School of Economics, Aix-Marseille Université   2020 - 2022
Master in Economics - Research track

Aix-Marseille Université   2018 - 2020
B.Sc. Economics and Finance

Working Papers

Hammond Transfers and Ordinal Inequality Measurement

This article establishes a direct proof of the equivalence between two incomplete rankings of distributions of an ordinal attribute. The first ranking is the possibility of going from one distribution to another by a finite sequence of Hammond transfers. The second ranking is the intersection of two dominance criteria introduced by Gravel et al.(*Economic Theory*, 71 (2021), 33-80). The proof is an algorithm that provides a series of Hammond transfers, allowing to reach the dominant distribution from the dominated one.

Appraising central tendency in distributions of cardinal and ordinal variables *Joint with N.Gravel*

This paper provides an integrated axiomatic framework for appraising the central tendencies of distributions of a single variable among a collection of individuals depending upon the available measurement of the variable. Two types of measurement are compared: cardinal and ordinal. For each of them, three properties are posited on an ordering of distributions of numbers among individuals. The two Örst properties are the anonymity requirement that two permutations of the same list of numbers be equivalent and the weak Pareto requirement that a strict increases in the value of the variable for all individuals be recorded as a strict improvement. The third property requires that inverting the numerical measurement of the variable leads to an inversion of the ranking of the any two distributions to which the inversion is applied. The mean of a distribution is shown to be the only ranking of distributions that satisfy those three requirements in the cardinal context while the median is shown to be the only one that satisfy those same requirement in the ordinal context if the number of individuals is odd. If the number of individuals is even, then those three requirements applied to the ordinal context are shown to be inconsistent.

Teaching

Microeconomics — Autumn 2022, 2023 and 2024
Teaching assistant, undergraduate in Economics — *Marseille, FR*

Statistical approach to economics and societal questions — Autumn 2023
Teaching assistant, undergraduate in Economics — *Marseille,FR*

Conference Organisation

ECINEQ 10th Meeting, PhD Mentoring program — 2023

ECINEQ 10th Meeting, PhD Workshop — 2023

Other activities.

Member of AMU research committee as a representative of PhD students — 2023-Present

Skills

Programming Languages: Python, R, STATA
Languages: French (native), English (fluent)