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Personal Information:
Date of Birth: August 31st , 1987
Citizenship: Italian

Undergraduate Studies:

B.Sc., Economics and Social Sciences, Università Bocconi, 2009

Masters Level Work:

M. sc., Economics and Social Sciences, Università Bocconi, 2012

M.A.., Economics and Finance, Universitat Pompeu Fabra, 2014

Graduate Studies:

University of Zürich and Swiss Finance Institute, 2014 to present.

Thesis Title: "Essays on Human Capital and Household Finance"

Expected Completion Date: May 2020

Thesis Committee and References:

Felix Kübler (Advisor)

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Research Fields:

Macroeconomics, Household Finance, Computational Economics

Teaching Experience:

2015 - today	University of Zürich - Thesis Supervision, in Financial Economics and Asset Pricing
2015–2018	University of Zürich - Recitation Instructor in Advanced Financial Economics (Masters)
2017	Zürich Initiative for Computational Economics - Teaching assistant

Research Experience and Other Employment:

2018 to present	University of Pennsylvania - Visiting Scholar
2012 - 2013	Inter-American Development Bank - Research Fellow
2011	Università Bocconi - Research Assistant

Professional Activities

Presentations

2019: University of Zürich, SFI Workshop (Lausanne), Wharton Finance, University of Pennsylvania

2018: PASC (Basel), Society for Computational Economics (Milan), University of Pennsylvania, Sparse Grids and Applications Conference (Münich)

2017: University of Zürich, Swiss Finance Institute Research Days

Honors, Scholarships, and Fellowships:

2018-2019	Swiss National Science Foundation - Doc-Mobility Scholarship
2018	Leading House for the Latin American Region - Mobility Grant
2014	Swiss Finance Institute Fellowship
2013	Fundaciòn Ramon Areces Scholarship
2012	“Bonaldo Stringher” Scholarship Honorable Mention, Bank of Italy

Research Papers:

"*Go Big or Buy a Home: Student Debt, Human Capital Accumulation and Household Formation*" (Job Market Paper)

Do financial constraints affect human capital accumulation of young workers? Does student debt play a role in household formation? First, using supply-side variations in college aid policies, we empirically analyse the impact of student debt on post-baccalaureate decisions. We find that student debt induces a front-loading of earnings, an anticipation in household formation and has a negative and persistent effect on graduate school attendance. We then introduce and estimate a lifecycle model with endogenous human capital accumulation, career choice and housing. Our results highlight the importance of the initial financial position of workers as determinant of long-run human and physical capital accumulation. We also show that accounting for the option value of long term decisions as household formation is important to understand shorter term dynamics as career and enrolment choice.Finally, we compare alternative policy proposals. A widespread adoption of an income-based repayment plan and a more ambitious forgiveness plan have similar effects, as both increase human capital accumulation, earnings growth, and postpone entry into homeownership

"*The macro-dynamics of matching, sorting and human capital accumulation along the life cycle"* (with Andrea Alati and Edoardo Acabbi)

We study the importance of business cycle fluctuations for sorting between firms and workers in frictional labor markets. We argue that recessions can have long-lasting effects on workers careers and economic activity through lost investment in human capital of affected cohorts. Differently from physical capital, the extensive and intensive margins for investment in human capital are limited by search frictions and limited life-time duration. For these reasons human capital plays a persistent role in affecting economic performance. We characterise the cyclical behaviour of worker-firm matches and the process of on-the-job human capital accumulation in a structural model of the labor market that features both worker and firm heterogeneity. In our model aggregate fluctuations alter the sorting between workers and firms and distort incentives to accumulate human capital. This process leads to a slowdown in the recovery from shocks, as workers sluggishly catch up on their missing investment opportunities.
We provide empirical evidence of these mechanisms using administrative data on the population of Italian contracts provided by the Italian national social security institute (INPS)

"*On the Solution of High-Dimensional Macro Models with Distributional Channels"*

Importance of distributional channels in macroeconomic dynamics has been the object of considerable attention in empirical studies. Despite significant amount of effort aimed at incorporating heterogeneity into macroeconomics, however, their explicit inclusion in the standard policy toolbox is far from widespread. A relevant obstacle, in such cases, is the computation of equilibria. I propose a global solution method for the computation of infinite-horizon, heterogeneous agent macroeconomic models with aggregate uncertainty. Details of the algorithm are illustrated by presenting its application to a an example model: in it, aggregate dynamics depends explicitly on firm entry and exit, and individual choices are often constrained by a form of market incompleteness. Existing computational strategies are either unfeasible or provide inaccurate solutions. Moreover, global solutions are computationally expensive because the minimal representation of the aggregate state space - and thus the aggregate law of motion - faces the curse of dimensionality. The proposed strategy thus combines adaptive sparse grids with a cross-sectional density approximation, and introduces a framework for solving the more general class of dynamic models with firm or household heterogeneity accurately.

Research Papers in Progress

"*Markups, and the Dynamics of Firm Entry and Exit over the Business Cycle"* (with Camila Casas and Andrea Stella)

"*What makes a manager? Human capital accumulation on the job, educational choices and firm dynamics"* (with Jason Sockin)

Languages: Italian (Native), English (Fluent), Spanish (Advanced), German (Basic)

Computational Skills: Fortran, Matlab, Stata, Python, R.