

Carlo Medici

CONTACT INFORMATION

Mencoff Hall, Brown University
68 Waterman St, Providence, RI 02912

carlo_medici@brown.edu
www.carlomedici.com

EMPLOYMENT

Postdoctoral Research Associate 2024 –
Brown University – Population Studies and Training Center (PSTC)

EDUCATION

Ph.D., Managerial Economics and Strategy, Northwestern University	2024
M.Sc., Managerial Economics and Strategy, Northwestern University	2019
M.Sc., Economic and Social Sciences (summa cum laude), Bocconi University	2016
B.Sc., Economic and Social Sciences (summa cum laude), Bocconi University	2014

RESEARCH INTERESTS

Labor Economics, Political Economy, Economic History

WORKING PAPERS

“Closing Ranks: Organized Labor and Immigration” [\[PDF\]](#)

This paper shows that immigration fostered the emergence of organized labor in the United States. I digitize archival data to construct the first county-level dataset on historical U.S. union membership and use a shift-share instrument to isolate a plausibly exogenous shock to the labor supply induced by immigration, between 1900 and 1920. Counties with higher immigration experienced an increase in the probability of having labor unions, the number of union branches, the share of unionized workers, and the number of union members per branch. This increase occurred more prominently among skilled workers, particularly in counties more exposed to labor competition from immigrants, and in areas with less favorable attitudes towards immigration. Taken together, these results are consistent with existing workers forming and joining labor unions for economic as well as social motivations. The findings highlight a novel driver of unionization in the early 20th-century United States: in the absence of immigration, the average share of unionized workers during this period would have been 22% lower. The results also identify an unexplored consequence of immigration: the development of institutions aimed at protecting workers’ status in the labor market, with effects that continue into the present.

“The Impact of the Chinese Exclusion Act on the Economic Development of the Western U.S.” with Joe Long, Nancy Qian, and Marco Tabellini [\[PDF\]](#)

This paper documents new facts about the economic impact of the 1882 Chinese Exclusion Act, which banned immigration from China. The Act reduced the number of Chinese workers of all skill levels living in the United States. The Act also reduced the labor supply and the quality of jobs held by other workers, including white and U.S.-born workers, who were the intended beneficiaries of the Act. The negative effects for white workers are most prominent for those born in U.S. states outside the West and for European immigrants. Chinese Exclusion reduced manufacturing output and productivity. Chinese Exclusion slowed economic growth of western states until at least 1940.

“Political Connections, Careers, and Performance in the Civil Service: Evidence from U.S. Federal Judges” with Massimo Pulejo

This paper studies the role of political connections on the performance and career paths of civil servants. The focus is on U.S. federal judges, who are nominated by the president upon recommendation from senators of their home state. Leveraging individual-level data on judges and senators from 1789 to 2019, we use a difference-in-differences design to compare the performance of judges before and after their recommending senators leave office. Following their recommenders' exit from Congress, judges produce 12% fewer judicial opinions, with no improvement in the average quality of those opinions, as measured by length, backward citations, and inward citations. This reduction in effort is likely driven by an erosion of career incentives: after the exit of their recommenders, district court judges are 66% less likely to be promoted to upper-level courts. These findings highlight how political appointments can negatively impact civil servant performance, particularly when career advancements depend on the influence of their political patrons.

WORK IN PROGRESS

“Political Cycles in Black Union Membership”

A broad strand of literature in economics has studied political cycles, especially focusing on how politicians manipulate budgets to increase their chances of re-election. Much less attention has been given to how the political cycle affects the incentives and behavior of organizations. In this paper, I study how elections affect public sector labor unions, a type of organization with well-acknowledged ties to politics, and the Democratic party in particular. I find that, in presidential election years, unionization rates increase for Black workers. The effect is larger in the occurrence of open seat elections; in Blue states; and, among constituencies where other institutions that mobilize Black voters, such as the NAACP or the Black church, are less present. This evidence is consistent with a mechanism in which labor unions increase their membership to more effectively lobby politicians ahead of a general election, by targeting and mobilizing workers who are otherwise less likely to turn out to vote, and more likely to lean Democratic.

“The Economic Effects of Public Hiring Constraints” with Maria Carreri, Edoardo Di Porto, Edoardo Teso, and Silvia Vannutelli

How do public administrations cope with tight limits on external hiring? What is the effect of these limits on public sector performance? How does the size of public employment affect local labor markets and private sector growth? In this paper, we aim to address these questions by: (i) leveraging rich administrative data on the universe of both public and private sector employees in the Italian labor market; and, (ii) exploiting plausibly exogenous variation in hiring constraints across different Italian public administrations induced by a 2008 reform that limited public sector hiring. With the findings of this paper, we aim to contribute to a long-standing debate on the public employment effects on the labor market, by exploiting exogenous variation in the size of local public employment; and, to the literature on internal labor markets, by focusing on a unique setting that allows us to document how the internal labor market of public sector organizations responds to shocks in external hiring ability.

PRESENTATIONS

2024 (*incl. scheduled*): ASSA Annual Meeting (San Antonio), University of Nottingham, CREI, Universitat Pompeu Fabra, USC Marshall, “Institutions, Organizations & Growth” (IOG) Spring Conference (UChicago BFI), “Fighting for Freedom Symposium” (GSU and UMD, online), Tilburg University (online), NICEP Conference (University of Nottingham), “Junior Economists” Meeting (University of Milan), NBER Summer Institute (DAE), EHA Annual Meeting (Sacramento),

Northwestern-UBC Political Economy of Development Conference, CEMIR Junior Economist Workshop on Migration Research (ifo Institute), UW-Milwaukee, Brown University
2023: EHA Annual Meeting (Pittsburgh) [poster session], Northwestern University

FELLOWSHIPS, GRANTS & AWARDS

Nevins Dissertation Prize (Finalist), Economic History Association 2024
Global Impacts Graduate Fellowship, Northwestern Buffett Institute for Global Affairs 2023–24
PhD Research Grant, Kellogg School of Management, Northwestern University 2023
Doctoral Fellowship, Kellogg School of Management, Northwestern University 2018–23
IGIER Visiting Student Initiative, Bocconi University 2014–16

REFeree SERVICE

American Economic Review, American Economic Journal: Economic Policy, Explorations in Economic History

TEACHING EXPERIENCE

Northwestern, Statistical Decision Analysis (EMBA), Teaching Assistant 2020–23
Northwestern, Making Business Decisions with Big Data (MBA), Teaching Assistant 2020–21
Northwestern, Business Analytics I (MBA), Teaching Assistant 2019–21

RELEVANT PAST POSITIONS

Research Assistant, Prof. Nancy Qian, Northwestern University 2020–22
Research Assistant, Prof. Edoardo Teso, Northwestern University 2020
Research Assistant, Prof. Guido Tabellini, Bocconi University 2017–18
Trainee, Research Department, European Central Bank (Frankfurt, Germany) 2016–17
Research Assistant, Prof. Tommaso Nannicini, Bocconi University 2015–16
Summer Analyst, Fitch Ratings (London, UK) 2015

LANGUAGES

English (fluent), Italian (native), French (intermediate), Spanish (basic)

REFERENCES

Prof. Nancy Qian Northwestern University +1 (847) 491-2531 nancy.qian@kellogg.northwestern.edu	Prof. Joel Mokyr Northwestern University +1 (847) 491-5693 j-mokyr@northwestern.edu
Prof. Matthew Notowidigdo University of Chicago +1 (773) 834-6249 noto@chicagobooth.edu	Prof. Edoardo Teso Northwestern University +1 (847) 491-5155 edoardo.teso@kellogg.northwestern.edu
Prof. Marco Tabellini Harvard University +1 (617) 496-4614 mtabellini@hbs.edu	