

# Timur Abbiasov

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## Academic Positions

Postdoctoral Associate in Urban Data Science  
*Senseable City Lab*  
MIT Department of Urban Studies and Planning  
Cambridge, USA

Oct 2021 - present

## Education

Ph.D. in Economics (*with concentration in Urban Economics*)  
*Columbia University*  
New York, USA

2015-2021

B.A. in Economics  
*New Economic School and Higher School of Economics*  
Moscow, Russia

2011-2015

## Publications

1. "The role of urban amenities in facilitating social mixing. Evidence from Stockholm", Cate Heine, [Timur Abbiasov](#), Paolo Santi, and Carlo Ratti.  
**Landscape and Urban Planning**, Vol 254, February 2025
2. "The 15-minute city quantified using human mobility data", [Timur Abbiasov](#)<sup>\*</sup>, Cate Heine<sup>\*</sup>, Sadegh Sabouri<sup>\*</sup>, Arianna Salazar-Miranda<sup>\*</sup>, Paolo Santi, Edward Glaeser<sup>\*</sup>, Carlo Ratti  
**Nature Human Behaviour** 8, 445–455, February 2024
3. "Do local businesses benefit from sports facilities? The case of major league sports stadiums and arenas", [Timur Abbiasov](#)<sup>\*</sup>, Dmitry Sedov<sup>\*</sup>  
**Regional Science and Urban Economics** Volume 98, January 2023.
4. "The effect of co-location on human communication networks", Daniel Carmody<sup>\*</sup>, Martina Mazzarello<sup>\*</sup>, Paolo Santi, Trevor Harris, Sune Lehmann, [Timur Abbiasov](#), Robin Dunbar and Carlo Ratti  
**Nature Computational Science**, Volume 2 Issue 8, August 2022.

## Working Papers

1. "The effects of body-worn cameras on racial disparities in policing" with Jessy Han, Fabio Duarte, Fotini Christia, Paolo Santi and Carlo Ratti, 2024.
2. "Improving US nationwide travel mode detection using GPS data" with Cate Heine, Yuebing Liang, Sagegh Sabouri, Arianna Salazar-Miranda Pei Zhao, Paolo Santi, and Carlo Ratti, 2024
3. "Pedestrianization and Business Visits: Evidence from NYC Open Streets", with Pablo Warnes and Iain Bamford, 2024.
4. "Leveraging seawater thermal energy storage and heat pumps for coupling electricity and urban heating: a techno-economic analysis" with Manfredi Gangi, Aldo Bischì, Andrea Baccioli, Paolo Santi, Carlo Ratti, 2024 (under review)
5. "The effects of housing typologies on business and cultural diversity: A gentrification perspective in Stockholm, Sweden" with Tom Benson, You Xuan Thung, Fabio Duarte, Siqi Zheng, Lukas Ljungqvist, Carlo Ratti, 2024
6. "The contribution of urban parks to social ties between neighborhoods. A study of online friendship networks in New York City", 2022.
7. "Do urban parks promote racial diversity? Evidence from New York City", *Ph.D. Job Market Paper*, 2021.

## Media Mentions

- "Is the tiny little neighborhood the city of the future?" Interview with Henry Grabar. ***The Guardian US***, Jan 2023
- "Fifteen-minute cities are about convenience, not conspiracy." ***Financial Times***, Nov 2023
- "Climate Coach. How the suburbs could become 15-minute cities." ***Washington Post***, Nov 2023
- "Can 15-Minute Cities Work in America?" ***Bloomberg City Lab***, Feb 2024

## Teaching Experience

Co-instructor	2022
Senseable City: Urban Data and Analytics	
MIT Department of Urban Studies and Planning	
Teaching Assistant	
Econometrics I (graduate), Econometrics II (graduate)	
Economics of Information, Intermediate Microeconomics	2016-2020

## Research Grants and Academic Awards

### Research Grants and Fellowships

The impact of automated technologies on racial bias in law enforcement	2024
Laura and John Arnold Foundation	<b>\$360,132</b>
Remote work and mobility changes	2024
The Center for Climate-Smart Transportation (CCST) funded by the US DOT	<b>\$90,000</b>

The 15-minute city quantified using mobility data: National investigation and policy implications The Center for Climate-Smart Transportation (CCST) funded by the US DOT	2023 <b>\$100,000</b>
The effects of body-worn cameras on racial disparities in police-caused fatalities MIT Racism Research Fund	2023 <b>\$100,000</b>
Data Grant Program for Economic Research, Columbia University	2020 <b>\$5,000</b>
Dissertation Fellowship Department of Economics. Columbia University	2020-2021
Dean's Fellow (Ph.D. in Economics) Columbia University	2015-2020
Research Grant Russian Science Foundation, Grant No15-18-30081 'Optimal design of information markets', under the supervision of prof. Sergei Izmalkov	2015
Grant for Participants of Academic Mobility Programs Higher School of Economics, Moscow, Russia	2013

## Honors and Awards

Diploma cum Laude New Economic School, Moscow, Russia	2015
Laureate of the Presidential Award for the Support of Talented Youth Moscow, Russia	2010
Winner of the XV All-Russian Olympiad in Economics (among high school students) Moscow, Russia	2010

## Personal Information

Citizenship: Russian Federation	Born in 1993
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## Coding Skills

Computation and Statistics	Python, R, Stata, Mathematica, MATLAB
Machine Learning	scikit-learn, Tensorflow, PyTorch
Databases	SQL, MongoDB
Mapping and GIS	QGIS, ArcGIS, Mapbox, deck.gl, geopandas, GDAL
Full-stack, Web	JavaScript, Node.js, React, D3.js, Three.js

## Languages

English (fluent), Russian (native)

## References

Carlo Ratti

*Professor of Urban Technologies, MIT; Planning Director, MIT Senseable City Lab, MIT Department of Urban Studies and Planning*

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Fabio Duarte

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*Professor of Economics, Columbia University*

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