

## Divya Singh

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Placement Assistant: Amy Devine, (212) 854-6881, [aed2152@columbia.edu](mailto:aed2152@columbia.edu)

### EDUCATION

Last updated: September 15, 2019

#### Columbia University in the City of New York

Ph.D. in Economics, Expected May 2020.

#### Indian Statistical Institute, Delhi

Master of Science in Quantitative Economics, 2014.

#### Miranda House, University of Delhi

B.A. Honors in Economics, 2012.

### FIELDS OF SPECIALIZATION

*Primary field:* Public Economics

*Secondary fields:* Development Economics, Urban Economics

### AWARDS AND FELLOWSHIPS

#### Awards

Harriss Prize, Best Second Year Paper, Columbia University, 2016.

Teaching Fellow, Columbia University, 2015-19.

Dean's Fellow, Columbia University, 2014-19.

Honorary Book Grant × 4, Indian Statistical Institute, Delhi, 2012-2014.

Sumana Dutta Gold Medal for Best student in economics, Miranda House, Delhi University, 2012.

#### Fellowships and grants

Dissertation fellowship, Columbia University, 2019-20.

Center for Development Economics and Policy, Columbia University, 2016, 2018.

GSAS Matching Travel Grant, 2018.

Dr. Edwin P. and Dr. Beatrice Reubens Fellowship, 2017.

### RESEARCH

#### Job Market Paper

WP1 "Does an Expected Loss of Property Tax Benefits for New Construction Spur Gentrification? Evidence from New York City"

Some cities have proposed tax benefits on new investment as a measure to relieve tenants from rising rents. In this paper, I use a property tax reform in New York City to estimate whether such incentives work locally. The tax reform removed property tax benefits for new residential investment. However, the delay between announcement and implementation of the policy change led to the concentration of investment within a short period. Using bunching of units at the expiration deadline, I find that a 1% increase in the future property tax increased current residential investment by 0.4%. Yet, this new investment did not lower the rents paid by the tenants in the affected neighborhoods. Using the baseline land availability within a small radius around an incumbent unit's as an instrument, I find that an additional new tax-exempt unit during the bunching period *increased* the incumbent unit rent by 2.3%. I find evidence consistent with the hypothesis that new residential investment made neighborhoods more desirable by attracting affluent households, facilitating the entry of businesses and consumption amenities. Overall, the results indicate that accelerated *new* investment spurred neighborhood change.

## Working Papers

### WP2. “Merging to Dodge Taxes? Unexpected Consequences of VAT Adoption in India”

This paper investigates whether tax evasion creates incentives among firms to reorganize their production. Value Added Tax (VAT) is the world's most popular consumption tax and is considered revenue efficient since cross-reporting of firm-to-firm transactions leads to self-enforcement. However, the ability to evade tax on firm to consumer transactions creates incentives for the last two firms in the production chain to integrate vertically. I test this hypothesis by using a quasi-experiment in India where sales tax was replaced with VAT in a staggered manner between 2003 and 2008 and provided exogenous shock to tax evasion opportunities along the production chain. Difference-in-difference analysis reveals that post reform, treated firms sourced more ‘upstream’ products and had greater vertical mergers, indicating increased vertical integration under VAT. In addition, the effect is largest for firms which are closest to final demand indicating that tax-evasion is one of the channels. Overall, the results suggest that VAT is no longer production efficient in settings of low compliance.

### WP3. “Safer Elections, Women Turnout and Political Outcomes: Evidence from India.”

This paper estimates the effects of increasing security at the polling booths on the election day. Using detailed voting and political outcomes dataset at the polling booth-level, and a regression discontinuity design, we find that greater security at the polling booths increases women share in total turnout by 1.4 percentage points. There is suggestive evidence that booths with a higher probability of security treatment are associated with a lower vote share of the incumbent party candidate, corrupt candidates, and a higher vote share of educated candidates. The evidence suggests that safer elections affect outcomes through an increase in women turnout.

## PROFESSIONAL ACTIVITIES

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### Conference presentations (\* indicates scheduled)

	<i>Paper</i>	<i>Year</i>
Urban Economics Association Meetings*, Philadelphia	WP1	2019
National Tax Association Meetings*, Tampa, Florida	WP1,2	2019
Association for Public Policy Analysis and Management*, Denver	WP1	2019
Young Economists Symposium, Columbia, New York	WP1	2019
Independent Budget Office, New York	WP1	2019
NY Fiscal Policy Breakfast, Federal Reserve, New York	WP1	2019
The Mayor's Office of Management and Budget, New York	WP1	2019
ZEW Summer Workshop, Mannheim, Germany	WP1	2019
Conference on Value Added of Value Added Taxes, World Bank, DC	WP2	2019
Conference on Public Finance in Developing countries, Zurich	WP2	2018
Poster at National Tax Association meeting, New Orleans	WP2	2018
Young Economists Symposium, NYU	WP2	2018
Development and Political Economy Conference, UC Berkeley	WP2	2018
PhD Conference, University of Warwick, Coventry, UK	WP2	2018
PhD Conference, George Washington University, Washington D.C.	WP3	2018
Poster at Women in Science at Columbia	WP3	2018
Annual Conference on Economic Growth and Development, ISI Delhi	WP3	2017
APPAM Regional Student Conference, Washington, D.C.	WP3	2017

### Attendance

NBER Graduate student workshop and Conference in Business Taxation, 2018.

### (Co)-organization

Summer reading group in Public finance, Columbia University, 2018.

## RESEARCH EXPERIENCE

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### Research Assistantships

Professor Francois Gerard, Columbia University, Summer & Fall, 2016.

Professor Suresh Naidu, Columbia University, Summer 2015.

Professor Tridip Ray, Indian Statistical Institute, Summer 2013.

### Internships

Consultant, World Bank, D.C., Summer 2016.

## TEACHING EXPERIENCE

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### Full instructor

- International trade, 2017.

### Teaching assistant:

- Public Economics, Fall 2017 and 2018.
- Economic development, Spring 2018, Spring 2019.
- American Economy, Fall 2016.
- Principles of Economics, Fall 2015, Spring 2016, Summer 2018.

## PERSONAL

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**Languages:** English (fluent), Hindi (native)

**Citizenship:** India

## REFERENCES

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### Wojciech Kopczuk (Sponsor)

Professor of Economics

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