## Rowan Shi

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Nowall bill	<u>rowanxsm@pm.me</u> • <u>nccp://rowanxsm.gitnub.io</u>
Education	
PhD (expected) in Economics, Princeton University	2020
BA in Mathematics and Economics, University of California, Berkeley	
Projects	
<ul> <li>Evaluating tax harmonization policy in the European Union, with</li> <li>designed structural general equilibrium model to predict the effects of</li> <li>fit the model to data on EU corporate taxes, national expenditure, and</li> <li>wrote, deployed, and supervised distributed (parallelized) computation</li> </ul>	f tax reform I other aggregate variables
<ul> <li>An algorithm for fast optimization over a lattice, independent projected and coded algorithm in Julia</li> <li>wrote documentation and gave presentations with usage demonstration theoretically proved the algorithm is always accurate and applicable in conducted time trials to show it is 10x faster than existing methods in particular trials.</li> </ul>	ions n many relevant settings
<ul> <li>Brazil's tariff cuts and jobs in its nontraded sector, independent polymanipulated worker panel administrative datasets (500M+ obs) in predevised and ran causal inference strategy incorporating binary outcor</li> <li>concluded that Brazil's tariff cuts created ~1M jobs in nontraded (servior presented findings at seminars</li> </ul>	paration for analysis ne and selection correction analysis in R
<ul> <li>Does education increase rural-to-urban mobility, independent pro</li> <li>integrated and operationalized 3 years of Honduras census data</li> <li>constructed and completed instrumental variable causal analysis of the</li> <li>concluded that each year of early education causes a 5-10 p.p. higher leads to the wrote report detailing empirical process and results using R markdow</li> </ul>	ne role of education on adult outcomes in R likelihood of living in a city as an adult
Other experience	
<ul> <li>Course organizer, introduction to microeconomics</li> <li>coordinated and oversaw team of ~5 teaching assistants and ~10 grad</li> <li>maintained sensitive student grades information for problem sets, att</li> <li>organized arrangements for meetings, exams, and students needing s</li> </ul>	endance, and exams
Teaching assistant, introduction to microeconomics; introduction to m  ■ prepared and gave weekly lectures covering new material to ~20 stude  ■ met with students individually to work through problem sets and answ	ent classes
Financial Research Analyst, Dominion Bond Rating Service  assembled, analyzed, and synthesized data regarding public company  contributed to writing report summarizing the state of defined contributed.	
Skills	
R (data.table, dplyr, R markdown), Stata, MATLAB, Julia, LaTeX, CSS English, French, Mandarin	scripting language
Personal	

yoga, baking desserts, photography, french horn, spicy food Canadian

interests citizenship