

Javier Parada

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EDUCATION

University of California, Davis <i>PhD in Agricultural and Resource Economics</i>	Davis, CA 2011 – 2018
Centro de Investigación y Docencia Económicas <i>MS in Economics</i>	Mexico City, Mexico 2008 – 2010
Tecnológico de Monterrey, Campus Santa Fe <i>BS in Financial Management</i>	Mexico City, Mexico 2004 – 2008

EXPERIENCE

Junior Data Scientist <i>The World Bank</i>	May 2021 – Present Washington, DC
<ul style="list-style-type: none">Improving data, methods, documentation, and dissemination of environment-related indicators in the World Development IndicatorsUse of geospatial datasets to create novel environmental indicators for internal and external publication and dissemination, and contribute to research on alternative data sources for development indicators	
Postdoctoral researcher <i>The World Bank</i>	July 2020 – April 2021 Washington, DC
<ul style="list-style-type: none">Fellowship Program in Forced Displacement sponsored by the DFID-UNHCR-World Bank program “Building the Evidence on Forced Displacement: A Multi-Stakeholder Partnership”Use of detailed georeferenced panel data on land use types to study transitions into and out of cropland in the Middle East	
South Asia Data Team <i>The World Bank</i>	April 2018 – June 2020 Washington, DC
<ul style="list-style-type: none">Household survey harmonization and maintenance of South Asia Micro Database (SARMD)Construction, adjustment, and analysis of expenditures per capita for poverty and inequality measuresStudy of asset ownership, gender, urban/rural, education, demographic, labor, and housing characteristicsDesign and implementation of survey metadata collection tool to compare survey characteristicsPreparation of Tableau visualizations and SARMD User Guidelines	

RECENT PROJECTS

Land Use Change induced by Conflict and Displacement <i>Syria, Iraq, Turkey</i>	July 2020 – Present
<ul style="list-style-type: none">Measure land use changes into and out of cropland with satellite imageryStudy the mechanisms linked to violence and population displacement behind those land use changes	
Perceived Land Tenure Insecurity and Violence <i>Global</i>	July 2020 – Present
<ul style="list-style-type: none">Compare levels of land tenure insecurity across countries based on Prindex dataStudy interconnections between perceived tenure security and conflict	
Changes in air quality during lockdown <i>East Asia</i>	May 2020 – June 2020
<ul style="list-style-type: none">Measure changes in air pollution (Aerosol, CO, HCHO, NO2, Ozone, SO2) for largest metropolitan areas before, during and after COVID-19 lockdowns	
Urban Poverty Headcounts <i>Somalia</i>	October 2019 – February 2020
<ul style="list-style-type: none">Estimate poverty rates for Somali cities relying on the combination of Somali High Frequency Survey 2017 and geospatial data	

TECHNICAL SKILLS

Languages: Stata, Python, R, Matlab, JavaScript, HTML/CSS, Git, R Shiny, Tableau, Flourish, Excel VBA
Libraries: pandas, geopandas, scikit-learn, numpy, matplotlib, pyplot, seaborn, leaflet, geopmap
GIS Tools: QGIS, Google Earth Engine

LANGUAGES

English: Full Professional

Spanish: Native

French: Limited Working