Andrew J. Van Leuven

CONTACT INFORMATION	Department of Agricultural Economics Oklahoma State University andrewvanleuven@okstate.edu	530 Agricultural Hall Stillwater, OK 74078 (405) 744-6854
EDUCATION	Ph.D., Public Policy & Management Ohio State University, Columbus, OH Graduate Minor: City & Regional Planning	2021
	M.A., Geography & Urban Studies Temple University, Philadelphia, PA	2016
	B.S., Geography (emphasis in Urban & Regional Planning) Brigham Young University, Provo, UT	2014
ACADEMIC & PROFESSIONAL EXPERIENCE	Assistant Professor of Community and Rural Development Department of Agricultural Economics Oklahoma State University, Stillwater, OK Appointment: Research 25%, Extension 75%	2022–
	Director, Center for Oklahoma Small Business Research & Anal Oklahoma Small Business Development Center	ysis 2022–
	Postdoctoral Fellow, Division of Applied Social Sciences & MU College of Agriculture, Food and Natural Resources University of Missouri, Columbia, MO	Extension 2021
	Graduate Instructor & Teaching Assistant Graduate Research Associate John Glenn College of Public Affairs Ohio State University, Columbus, OH	2019–21 2016–20
	Transportation & Walkability Intern Montgomery County Planning Commission, Norristown, PA	2015

Publications and Research

JOURNAL ARTICLES

- 10. **A. Van Leuven**, D. Lambert, T. Conroy, and K. Conley, (2024). Do 'Banking Deserts' Even Exist? Examining Access to Brick-and-Mortar Financial Institutions in the Continental US. *Applied Geography*. doi:10.1016/j.apgeog.2024.103201
- 9. A. Schaefer and **A. Van Leuven**, (2023). Quantifying the Rural Legal Desert Problem: Assessing Access to Justice and Legal Services in Marginalized Communities. (ACCEPTED at South Dakota Law Review)
- 8. R. Taylor, A. Van Leuven, and S. Robinson, (2023). The Role of Community Capital in Rural Renewal. Local Development & Society. doi:10.1080/26883597.2023.2258453
- A. Van Leuven, S. Low, and E. Hill, (2022). What Side of Town? How Proximity
 to Critical Survival Factors Affects Rural Business Longevity. Growth and Change.
 doi:10.1111/grow.12652
- S. Low, M. Rahe, and A. Van Leuven, (2022). Has COVID-19 Made Rural Areas More Attractive Places to Live? Survey Evidence From Northwest Missouri. Regional Science Policy and Practice. doi:10.1111/rsp3.12543

- 5. **A. Van Leuven**, (2022). Leveraging Main Street as a Real Estate Amenity: Downtown Revitalization and Residential Property Values. *Journal of Planning Education & Research*. doi:10.1177/0739456X221082500
- 4. **A. Van Leuven**, (2022). A Method for Defining Downtown Business District Boundaries in Pre-Automobile Towns and Cities. *Cityscape*. Vol. 25, No. 1. https://www.jstor.org/stable/48657957
- 3. A. Van Leuven and E. Hill, (2021). Legacy Regions, Not Legacy Cities: Growth and Decline in City-Centered Regional Economies. *Journal of Urban Affairs*. doi:10.1080/07352166.2021.1990775
- A. Van Leuven, (2021). The Impact of Main Street Revitalization on the Economic Vitality of Small-Town Business Districts. Economic Development Quarterly. doi:10.1177/08912424211038060
- Y. Chun, S. Pierce, and A. Van Leuven, (2021). Are Foreclosure Spillover Effects Universal? Variation Over Space and Time. Housing Policy Debate. doi:10.1080/10511482.2021.1882533

BOOK CHAPTERS

A. Van Leuven, (2023). Central Business District. (Accepted at *The Encyclopedia of Human Geography*, edited by Barney Warf)

REVISE AND RESUBMIT

C. Biedny, B. Whitacre, and A. Van Leuven. Do Gigabits Mean Business? "Ultra-Fast" Broadband Availability's Effect on Business Births. (Revise & Resubmit at Information Economics and Policy)

Under Review

A. Van Leuven and T. Conroy. *Using Economic Data to Understand Local Childcare Challenges*

A. Hagerman, A. Schaefer, F. Tsiboe, A. Van Leuven, A. Young, and Y. Zereyesus. *Mitigating Structural Inequities in U.S. Agricultural Risk Management*

T. Ochsner, L. Harvey, D. Bathke, S. Brasher, A. Brown, L. Bui, R. Crespo, M. Emery, T. Haigh, D. Hill, J. Hammack, N. Lam, S. Robinson, **A. Van Leuven**, P. Weckler, and F. Wood-Black. *A Call for Research and Capacity Building to Strengthen Rural Climate Resilience*

WORKING PAPERS & IN PROGRESS

A. Van Leuven, E. Hill, and S. Low. Regional and Local Economic Anchors: Not Just 'Meds and Eds'

A. Van Leuven, and A. Weinstein. Neighborhood Quality of Life and the Role of the 'Third Place'

A. Van Leuven, K. Conley, T. Conroy, and D. Lambert. *Brick-and-Mortar Financial Institutions and Regional Borrowing: Do Branch Closures Leave Money on the Table?*

A. Van Leuven, C. Bir, and R. Biggs. Community Determinants of Rural Veterinarian Longevity

Funding & Grants

EXTERNAL FUNDING

NSF EPSCoR Research Infrastructure Improvement Grant

2023

\$3,716,507 grant for 4-yr project RURAL CONFLUENCE: Communities and Academic Partners Uniting to Drive Discovery and Build Capacity for Climate Resilience. Co-PI, with researchers at OK State, U. of Nebraska, & LSU

	U.S. Small Business Administration Grant \$500,000 congressional earmark grant for 2-yr project Oklahoma Rural E-Commerce Academy. Co-PI, with June Park	2023	
	USDA ERS Resource & Rural Economics Division (RRED)	2023	
	\$20,000 cooperative agreement for 2-yr project Rural Bank Branch Closure. Project lead, with Kelsey Conley (ERS Rural Economy Branch), Dayton Lambert, and Tessa Conroy		
	Center for Oklahoma Small Business Research and Analysis	2023	
	\$34,787 grant to operate a research center providing market research and financial data to small business development advisors. PI.		
	Rural Renewal Initiative Research Seed Grant \$90,000 grant for project The Measured and Perceived Impact of Marijuana Production on Commerce on Rural Economies, Public Utilities, and Quality of Life. Co-PI, with Brian Whitacre (project lead) et al.	2023	
	Cotton, Inc. Research and Promotion Program	2022	
	\$22,500 grant for project <i>The Economic Impact of the Cotton Industry in Oklahoma</i> . Project Lead, with P. Kenkel, D. Lambert, H. Shear, and J. Vitale		
	Oklahoma Small Business Development Center	2022	
	\$59,358 grant to operate a research center providing market research and financial data to small business development advisors. Co-PI with Rodney Holcomb		
Internal	OSU Extension Undergraduate Extension Scholars	2023	
Funding	\$2,000 grant for project Strategic Planning for Rural Transit in Northern Oklahoma with Cherokee Strip Transit, advising student Pat Kane		
	Ferguson College of Agriculture Undergraduate Research Scholars \$2,000 grant for project Factors Affecting Extreme Weather Event Recovery and Resilience Among Rural Communities and Agricultural Producers in Oklahoma, advising student Tess Haddock with Co-PI Amy Hagerman		
	Ohio State University Graduate School		
	Ohio State University Graduate School \$3,000 grant from OSU Alumni Grants for Graduate Research and Scholarship (AGGRS) to work on dissertation research		
	OSU Center for Real Estate \$3,500 grant stipend for project Leveraging Main Street as a Rural Real Estate Amenity		
Cooperative Ex	tension & Outreach		
Workshops, Training, & Conferences		2024	
		2023	

Webinar: The Economics of Downtown Revitalization

Apr. 2023

Presentation highlighting the value of downtown revitalization and why quantitative evaluation is important. Delivered through the University of Wisconsin Extension "Lunch-n-Learn" Series, Virtual.

Workshop: Community Development Data Literacy

DEC. 2022

Training on data basics: how to find and use secondary data, cautions and pitfalls, using data for decision-making. Ada, OK.

Workshop: Entrepreneurship and Rural Economies

Apr. 2022

Presented to with Associated Electric Cooperative Inc., with Mallory Rahe and Steven Mukembo (U of Missouri Extension). Virtual.

In-Service Training: Data Literacy for Rural Economies

Apr. 2022

Webinar to help Extension educators become familiar with sources and applications for using economic data in rural Oklahoma counties. Virtual.

Conference: Creating Entrepreneurial Communities

SEP. 2021

Facilitator/Presenter for session, Main Street and Downtown Revitalization: What Works and What to Avoid. Location: Hannibal, MO.

FACT SHEETS & REPORTS

- **A. Van Leuven**, J. Vitale, D.M. Lambert, P. Kenkel, H.E. Shear, and E. Norris, (Feb. 2024), *The Economic Contribution of the Cotton Industry in Oklahoma*, OSU Extension Fact Sheet (AGEC-634).
- A. Van Leuven, (Dec. 2023), More than Ever, Rural Communities Need Strong Third Places to Build Social Capital, Southern Ag Today, (LINK).
- H. Park and A. Van Leuven, (Aug. 2023), Digital Retailing and Marketing: Tools for Rural Small Businesses Navigating the Digital Age, OSU Extension Fact Sheet (AGEC-632).
- M. White and A. Van Leuven, (Jul. 2023), Changes in Farm Employment, 1969 to 2021, farmdoc daily, 13(130).
- R. Zimmer, S. Hilburn, **A. Van Leuven**, and B. Whitacre, (Mar. 2023), *Medical Marijuana Dispensaries in Oklahoma*, OSU AGEC Current Report (22009).
- **A. Van Leuven**, (Jan. 2023), Participants in Community and Economic Development, OSU Extension Fact Sheet (AGEC-950).
- N. Dethloff, A. Van Leuven, and C. Bir, (Oct. 2022), Customer Service Basics for Agricultural Entrepreneurs, OSU Extension Fact Sheet (AGEC-920).
- **A. Van Leuven**, (May 2022), In Historic Town Centers Beauty is More than Skin Deep, Southern Ag Today, (LINK).
- M. White and A. Van Leuven, (Oct. 2021), Population Change, 2010 to 2020, MU Exceed Missouri Economy Indicators Series, 2(16).
- **A. Van Leuven**, (Sep. 2021), *Transportation and Logistics Infrastructure*, MU Exceed Missouri Economy Indicators Series, 2(15).
- H. McClure, A. Van Leuven, and S. Low, (Aug. 2021), Transfer Payments to Individuals, MU Exceed Missouri Economy Indicators Series, 2(12).

FACT SHEETS IN PROGRESS

T. Haddock, A. Hagerman, and A. Van Leuven. Quantifying Exposure to Extreme Weather Events Among Rural Communities and Agricultural Producers in Oklahoma

Invited Talks	Oklahoma SBDC Annual Staff Meeting (Durant, OK)	Sep. 2023
& Panels	Northern Oklahoma Development Authority (Enid, OK)	Aug.~2023
	Oklahoma Cotton Council (Alva, OK)	Jul. 2023
	OK Farm Bureau "Activate Oklahoma" Business Accelerator Panel	Jun. 2023
	Alva, OK Chamber of Commerce	May~2023
	Stigler-Haskell County, OK Chamber of Commerce	Apr. 2023
	Langston, OK Community Forum	Feb. 2023
	Small Business Development 4-County Consortium (Wilburton, OK)	Feb. 2023
	Langston, OK Economic Development & Planning Committee	Dec. 2022
	Red River Leadership Institute (Broken Bow, OK)	Nov. 2022
	The Oklahoma Academy Town Hall (Durant, OK)	Oct. 2022
	Okemah Chamber of Commerce (Okemah, OK)	Oct. 2022
	AARP Livable Communities Housing Workshop (Virtual)	$Sep. \ 2022$
	Southern Workforce Board (Atoka, OK)	Aug.~2022
	Johnston County Industrial Authority (Tishomingo, OK)	Jul. 2022
	Buffalo, OK Economic Development and Revitalization Committee	May~2022
	Marshall County Economic Development Authority (Madill, OK)	May~2022
	Shattuck, OK Economic Development Committee	Apr. 2022

Teaching & Instructional Experience

Courses Taught	PUBAFRS 2110: Introduction to Public Affairs (Ohio State Univ.)		
	Instructor of Record Teaching Assistant	Spring 2021 Fall 2020	
	PUBAFRS/CRPLAN 7531: Economic Development Policy (Ohio St.)		
	Co-Instructor & Teaching Assistant	Spring 2019, 2020	
Workshops & Invited	"Using R and ggplot2 for Agricultural Economics Dat shop for Oklahoma State AGEC graduate students."		

LECTURES

"Rural Development in Theory and Practice". Invited guest lecture for RCPL 5723:

Community Development & Revitalization course in University of Oklahoma Department of Regional and City Planning. Norman, OK, Feb. 2023.

"Using the Grammar of Graphics in Applied Economic Research." Invited graduate workshop at University of Illinois Department of Agricultural & Consumer Economics. Urbana, IL, Oct. 2022.

"What is Rural Economic Development?" Invited guest lecture for AECL 5003: Developing Rural Scholars for Community Engagement course in OSU Department of Agricultural Education, Communication & Leadership. Apr. 2022 & Apr. 2023

Conferences, Seminars, & Other Academic Talks

2023

A. Van Leuven, "Brick-and-Mortar Financial Institutions and Regional Borrowing: Do Branch Closures Leave Money on the Table?" Selected paper at the Association for Public Policy Analysis and Management (APPAM) Fall Research Conference, Atlanta. Nov. 2023.

- **A. Van Leuven**, E. Hill, and S. Low, "Redefining Local Economic Anchors: Not Just Eds and Meds." Selected paper at Association of Collegiate Schools of Planning Annual Conference, Chicago. Oct. 2023.
- A. Schaefer and A. Van Leuven, "Quantifying the Rural Legal Desert Problem: Assessing Access to Justice and Legal Services." Invited paper at the South Dakota Law Review Symposium on Rural Lawyers, Vermillion, SD. Sep. 2023.
- **A. Van Leuven**, K. Conley, T. Conroy, and D. Lambert, "Do 'Banking Deserts' Even Exist? Brick-and-Mortar Lending Access in the Continental US." Selected paper at Agricultural & Applied Economics Association Annual Meeting, Wash. DC. Jul. 2023.
- **A. Van Leuven**, "Do 'Banking Deserts' Even Exist? Examining Access to Brick-and-Mortar Lending Institutions in the Continental United States." Invited seminar at University of Arkansas Department of Agricultural Economics and Agribusiness, Favetteville, AR, Jul. 2023.
- **A. Van Leuven**, R. Taylor, and S. Robinson, "The Role of Community Capital in Rural Renewal." Invited seminar at Iowa State University Community and Economic Development Extension and Outreach, Ames, IA, Jun. 2023.
- A. Hagerman, A. Schaefer, F. Tsiboe, A. Van Leuven, A. Young, and Y. Zereyesus, "Mitigating Structural Inequities in U.S. Agricultural Risk Management." Selected paper at the AAEA Conference on Economics of Inequity in Agricultural, Food, and Environmental Systems, Minneapolis, May 2023.
- **A. Van Leuven**, K. Conley, T. Conroy, and D. Lambert, "Locational Determinants of Lending Deserts in the Rural United States." Selected paper at Southern Regional Science Association Annual Meeting, Savannah, GA, Apr. 2023.
- **A. Van Leuven**, "Measuring the Economics of Downtown Revitalization: Putting Some 'Oomph' Behind the Numbers." Invited workshop at Main Street Now Annual Conference, Boston, Mar. 2023.
- A. Hagerman, A. Schaefer, A. Van Leuven, Y. Zereyesus, F. Tsiboe, A. Young, "Factors Affecting Crop Insurance Use Among Underserved Farmers." Selected paper at Southern Agricultural Economics Association Annual Meeting, OKC, Feb. 2023.
- C. Bir and **A. Van Leuven**, "Community Determinants of Rural Veterinarian Longevity." Selected paper at Southern Agricultural Economics Association (SAEA) Annual Meeting, Oklahoma City, Feb. 2023.
- B. Whitacre and A. Van Leuven, "A 'Significant Crisis and Financial Windfall': The Proliferation of Medical Marijuana in Rural Oklahoma." Selected paper at North American Regional Science Council Annual Conference, Montreal, QC, Nov. 2022.
- **A. Van Leuven** and T. Conroy, "The Economic Dynamism of Child Care Establishments in the United States." Selected paper at North American Regional Science Council Annual Conference, Montreal, QC, Nov. 2022.
- **A. Van Leuven**, "The Economic Value of Placemaking in Rural Oklahoma." Invited talk at the Rural Renewal Symposium, Stillwater, OK, Oct. 2022.
- **A. Van Leuven**, "Quantifying the Impact of Main Street Revitalization." Invited talk at Chicago Federal Reserve Bank & Upjohn Institute Conference on Rural Economic Development, Grand Rapids, MI, Oct. 2022.
- S. Low, M.C. White, **A. Van Leuven**, and R. Russell, "Labor Market Impacts of Increasing Worker-age Mortality: a Mixed Methods Analysis." Selected paper at Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA. Aug. 2022.

2022

- B. Whitacre, C. Biedny, and A. Van Leuven, "Rural Gigabits and Business Births" Selected paper at Agricultural & Applied Economics Association (AAEA) Annual Meeting, Anaheim, CA. Aug. 2022.
- M. Rahe, S. Low, and **A. Van Leuven**, "Living and Working in Rural Regions: Survey Perceptions During the COVID Pandemic." Selected paper at North American Regional Science Council Annual Conference, Denver, CO, Nov. 2021.
- S. Low, **A. Van Leuven**, M.C. White and R. Russell, "Labor Market Consequences of Increases in Rural Prime Age Mortality." Selected paper at North American Regional Science Council (NARSC) Annual Conference, Denver, CO, Nov. 2021.
- **A. Van Leuven**, "Spatially-Fixed Critical Location Factors as Determinants of Business Establishment Survival." Selected paper at Mid-Continent Regional Science Association (MCRSA) Annual Conference, Virtual, Jun. 2021.
- **A. Van Leuven**, "The Impact of Main Street Revitalization on the Economic Vitality of Small-Town Business Districts." Selected paper at Southern Regional Science Association Conference, Virtual, Apr. 2021.
- A. Van Leuven, "Leveraging Main Street as a Real Estate Amenity: Retail Corridor Revitalization and Residential Property Values." Selected poster at American Real Estate and Urban Economics Association (AREUEA) Annual Meeting, Virtual, Jan. 2021
- E. Hill and A. Van Leuven, "Are They Better Off? Municipal Annexation and the Socioeconomic Well-Being of a City's Lowest-Income Residents." Selected paper at Association of Collegiate Schools of Planning Annual Conference, Virtual, Nov. 2020.
- **A. Van Leuven**, "The Impact of Main Street Revitalization on Small-Town Business Districts." Invited paper at Upjohn Institute & Chicago Federal Reserve Bank Research Workshop on Rural Economic Development, Kalamazoo, MI, Oct. 2019.
- **A. Van Leuven**, "Renovating Small-Town Central Business Districts: The Impact of Main Street Revitalization on Local Job Growth." Selected paper at Association of Collegiate Schools of Planning Annual Conference, Greenville, SC, Oct. 2019.
- **A. Van Leuven**, "The Post-Recession Resilience of Legacy Regions." Selected paper at Association of Collegiate Schools of Planning Annual Conference, Buffalo, NY, Oct. 2018.
- **A.** Van Leuven and E. Hill, "Resilience in the Face of Chronic Distress: U.S. Metropolitan Areas After the Great Recession." Invited Paper at Federal Reserve Bank of Atlanta & Upjohn Institute Research Workshop, Atlanta, GA, May 2018.
- **A. Van Leuven** and E. Hill, "Rethinking the Legacy City: Regional Evidence Matters." Selected paper at Urban Affairs Association (UAA) Conference (Toronto, Apr. 2018) and the Southern Regional Science Association (SRSA) Conference (Philadelphia, Mar. 2018).
- A. Van Leuven and E. Hill, "Regional Economic Resilience After the Great Recession: The Economic Performance of U.S. Metropolitan Statistical Areas." Selected paper at Association of Collegiate Schools of Planning (ACSP) Annual Conference, Denver, CO, Oct. 2017.
- **A. Van Leuven**, "Making a Case for Walkability: Separating the Factors that Affect Home Values in Commuter Rail Suburbs." Paper presented at Middle States AAG Biennial Meeting, Binghamton, NY, Oct. 2015.

2021

2019

2018

2017

2015

A. Van Leuven, "Making a Case for Walkability: Separating the Factors that Affect Home Values in Commuter Rail Suburbs." Poster presented at Association of American Geographers (AAG) Annual Meeting, Chicago, IL, Apr. 2015.

Service, Media, and Professional Affiliations

Advising &	Graduate Student Advising (*indicates thesis/dissertation	chair)	
MENTORSHIP	Tess Haddock (M.S.)*	Expected 2025	
	Bosede Ogunbamise (M.S.)*	Expected 2024	
	Emily Norris (M.Ag.)*	Expected 2024	
	Sheriff Hassan (M.S.)	Expected 2024	
	Sidany Hilburn (M.S.)	Expected 2024	
	Katie Welch (Ph.D.)	Expected 2024	
	Alicia Young (M.S.)	2023	
	Undergraduate Student Mentorship		
	$Tess\ Haddock- Collaboration\ on\ research\ poster\ presentation\ and\ fact\ sheet\ (2022–23)$ $Pat\ Kane- Collaboration\ on\ Extension\ project\ and\ fact\ sheet\ (2023)$		
SERVICE TO	Hatch Multistate Research Project NE-2249	2022-	
Profession &	President-Elect (2023–24)		
COMMUNITY	Project Title: "Sustainable and Inclusive Rural Economic Development to Enhance Housing, Health, Entrepreneurship, and Equity"		
	Southern Region Program Leadership Network	2022-	
	Community Resource Development (CRD) Committee Representative		
	Federal Grant Peer Review Panelist	2021, 2022	
	USDA AFRI Rural and Economic Development Grant Program		
	Glenn College Doctoral Student Organization	2016-21	
	President (2018–19); Treasurer (2017–18)		
	Glenn College Research Colloquium Series Coordinator	2019–20	
	City of Stillwater, Oklahoma Planning Commissioner	2023-	
PEER REVIEW & EDITING	Editorial Board Member of the initial editorial board for <i>Reaching Regions</i> , the outral of the North American Regional Science Council (NARSC)	<i>2023</i> -each jour-	
	Special Issue Co-Editor	2024	
	Co-Editor of a special issue of $Economic\ Development\ Quarterly\ dedicated$ to the nexus between economic development and community development		
	Journals Refereed		
	Agricultural Finance Review; Economic Development Quarterly; Gr	rowth and Change;	

Agricultural Finance Review; Economic Development Quarterly; Growth and Change; Journal of Rural & Community Development; Journal of Urban Affairs; Letters in Spatial and Resource Sciences; Review of Regional Studies (x2); Southeastern Geographer; Telematics and Informatics; Urban Affairs Review (x2)

Conference/Symposium Abstract Review

Agricultural & Applied Economics Association Annual Conference (x3)

Academy of Management Annual Meeting (x2)

Oklahoma State University Rural Renewal Symposium

Ohio State University Real Estate & Housing Conference (x2)

Media & Press

Michigan Farm News

2023

Quotes and visuals pulled from farmdoc fact sheet with M.C. White: " ${\it Great}$

Lakes region 'farm employment' down 19,000 since 1969." (LINK)

The Journalist's Resource at Harvard Kennedy School

2021

Interviewed for article about my research: "New research explores how Main Street revitalization programs affect job and business growth in rural commu-

nities." (LINK)

Professional Affiliations Agricultural & Applied Economics Association (AAEA)

Association for Public Policy Analysis and Management (APPAM)

Association of Collegiate Schools of Planning (ACSP)

Community and Regional Economics Network (CRENET) of AAEA

Mid-Continent Regional Science Association (MCRSA) North American Regional Science Council (NARSC)

Southern Region Extension Program Leadership Network (SR-PLN)

Southern Regional Science Association (SRSA)

Technical Skills, Certifications, & Additional Training

TECHNICAL Be	$Casic\ Knowledge:\ I$	Python, Stata,	Tableau, Adobe	Creative Suite, IMPLAN
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SKILLS & Intermediate/Advanced Knowledge: R, ArcGIS, Excel, LaTeX, Data Visualization

Languages: English (Native), Spanish (Fluent)

Additional Training

LANGUAGES

Inter-University Consortium for Political and Social Research (ICPSR)

Summer Program in Quantitative Methods of Social Research - Ann Arbor, MI (2019)

Courses: Multilevel Models I; Introduction to Python for Data Science