

# Jason L. Banegas

## Curriculum Vitae

New Mexico State University  
College of Business  
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Las Cruces, NM 88003-8001

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Email: zumbabwe@nmsu.edu  
Alt. Email: jasonbanegas@hotmail.com  
Web: www.researchgate.net/profile/Jason-Banegas

## EDUCATION

### **Doctor of Economic Development,**

2018 – Present, completion in Summer 2023, NMSU College of Business

Dissertation: Tourism Development in Rural New Mexico - A GIS-Based Multi-Criteria Decision Making Method

Advisor: Dr. Michael Patrick

### **Ph.D., Water Science and Management: Water Economics and Policy,**

2019 – Present, completion in Summer 2023, NMSU College of ACES

Dissertation: *Examining Spatial Heterogeneity and Tourism Potential of Water Resources in New Mexico*

Advisor: Dr. Brian Hurd

#### Completed Courses:

A\_ST 505 - Applied Statistics

AEEC 501 - Adv. Microeconomic Theory

AEEC 502 - Adv. Macroeconomic Theory

AEEC 540 - Econometrics I

AEEC 575 - Water Resource Economics

C E 557 - Water Resource Development

ECDV 590 - Microeconomic Theory II

ECDV 661 - Regional Modeling I

ECDV 664 - Population Economics

ECDV 668 - Econ Development Finance

ECDV 671 - Sustainable Econ Development

*Cumulative GPA: 3.9*

ECDV 681 - Urban Econ Development

ECDV 682 - Rural Econ Development

ECDV 683 - Seminar National Econ Dev

ECDV 692 - Seminar Rural Econ Dev

ECDV 694 - Internship

ECON 457 - Mathematical Economics

ECON 545 - Econometrics II

GEOG 578 - Fundamentals of GIS

RGSC 518 - Watershed Management

WSAM 610 - Water Sustainable Econ Dev

WSAM 700 - Dissertation

### **Graduate Certificate: Effective Online Teaching Practices,** completion in Spring 2023

The Association of College and University Educators (ACUE) in cooperation with NMSU Teaching Academy

### **Professional Certificates: Infrastructure Protection,** 2017, **Infrastructure Disaster Management,** 2017

Texas A&M Engineering Infrastructure Training and Safety Institute, College Station, TX

### **Military Education: USAF Squadron Officer College,** 2013

United States Air Force - Air University, Maxwell Air Force Base, AL

### **M.A., Economics,** 2011

University of Oklahoma, Norman, OK

### **B.A., Classics,** 2006

Minor: Military Aerospace Studies

University of New Mexico, Albuquerque, NM

## CURRENT and PAST AFFILIATIONS

### **New Mexico State University - College of Business, 2018 – Present**

Instructor of Economics, Geospatial and Economic Researcher - Center for Border Economic Development

### **University of Texas Permian Basin - College of Arts & Sciences, 2023**

Faculty Associate Adjunct - Instructor of Economics

### **New Mexico Energy Minerals and Natural Resources Department (EMNRD), 2022**

Energy Conservation and Management Division (ECMD), New Mexico Smart Grid Center Extern

### **New Mexico State University - College of ACES, 2020 – 2022**

Research Assistant, Department of Cooperative Extension Services

### **Zanotelligence LLC, 2016 - Present**

Managing Member / Project Manager

### **United States Air Force, 2003 - 2016**

Captain (O3) - Electronic Warfare Officer, Instructor (K12R3H)

## PUBLICATIONS, PROJECTS, and PRESENTATIONS

- **Banegas J.**, and Mamkhezri J., “A Systematic Review of GIS-Based Methods and Criteria Used for Electric Vehicle Charging Station Site Selection” *Environmental Science and Pollution Research*, Accepted for publication April, 2023, Publication date TBA (U.S. National Science Foundation award #OIA-1757207)
- **Banegas J.**, “Data, Dashboards, and Maps”, October 2022, *NMSU Center for Border Economic Development - Data Homepage*,
  - <https://cbed.nmsu.edu/data.html>
- **Banegas J.**, “New Mexico’s Energy Transition Story”, Oct 2022, *New Mexico EPSCOR News*,
  - <https://www.nmepscor.org/news/2022-nm-smart-grid-center-externs-share-their-experiences>,
  - <https://storymaps.arcgis.com/stories/58d14dd5279948b6840c913f5a55f6b7>
- **Banegas J.**, “NEEDO-NM & the CREATE BRIDGES Initiative”, Oct 2021, *North East Economic Development Organization Inc.*, <https://www.needo-nm.org/>
  - <https://storymaps.arcgis.com/stories/c766a8237be6459da252c12fe04c7ac8>
- **Banegas J.**, “CREATE BRIDGES Broadband - It's all about connections”, Sep 2021, *North East Economic Development Organization Inc.*, <https://www.needo-nm.org/>
  - <https://storymaps.arcgis.com/stories/eebc27b061394f5ebc7573e55522850b>

### **Publications Under Review / Preprint**

- **Banegas J.**, and Mamkhezri J., “Spatial Heterogeneity of Urban and Rural Electric Vehicle Charging Station Locations: A Geographically Weighted Approach” *SSRN*, Oct 2022

### **Conference Presentations**

- “Spatial Heterogeneity of Urban and Rural Electric Vehicle Charging Station Locations: A Geographically Weighted Approach”
  - The 64th Annual World Social Science Association Conference, Mar 2022
- “A Systematic Review of GIS-Based Methods and Criteria Used for Electric Vehicle Charging Station Site Selection”
  - The 38th Annual USAEE/IAEE North American Conference, Nov 2021
- “GIS-Based Methods for Electric Vehicle Charging Station Site Selection”
  - New Mexico State University Research and Creativity Week, Nov 2021

- New Mexico EPSCoR Research Symposium, Nov 2021

### **Poster Presentations**

- “Characterizing Water Tourism Amenities for Economic Development”
  - American Geophysical Union (AGU) Chapman Water Conference, Sep 2022
- “Modeling Water Tourism: A Geographically Weighted Approach”
  - 18th Annual RMSAWWA/RMWEA Student Conference, May 2022
- “Examining Spatial Heterogeneity in Water Amenity Tourism”
  - New Mexico State University College of ACES Research Open House, Apr 2022

### **Manuscripts Under Development**

- “Analyzing Urban and Rural Distinctions in Electric Vehicle Charging Infrastructure Location Planning.” (with Dr. Jamal Mamkhezri)
- “Methods for Evaluating the Economic Impact of Watershed Services on Rural Tourism.” (with Dr. Brian Hurd)
- “Assessing the Impacts of the CREATE BRIDGES Economic Development Initiative.” (with Dr. Michael Patrick)

## **RESEARCH and TEACHING EXPERIENCE**

### **Primary Instructor**

- NMSU ECON 211 - Principles of Macroeconomics, Fa 2019, Sp 2020, Sp 2021, Fa 2022, Sp 2023
- NMSU ECON 212 - Principles of Microeconomics, Fa 2020, Sp 2022
- UTPB ECON 2301 - Principles of Macroeconomics (Online), Sp 2023

### **Research Assistant**

- Research Assistant for Drs. Chris Erickson and Lucinda Vargas, NMSU, 2022 - Present
  - NMSU Center for Border Economic Development, <https://cbed.nmsu.edu/>
- Research Assistant for Dr. Michael Patrick, NMSU, 2020 - 2022
  - The CREATE BRIDGES Initiative, <https://aces.nmsu.edu/createbridges/index.html>
- Research Assistant for Dr. Jamal Mamkhezri, NMSU, 2021 - 2022
  - U.S. National Science Foundation award #OIA-1757207

### **Teaching Assistant**

- |   |                                     |
|---|-------------------------------------|
| ● A_ST 505 - Applied Statistics           | ● ECON 324 - Developing Nations     |
| ● ECON 251 - Principles of Macroeconomics | ● ECON 304 - Money and Banking      |
| ● ECON 252 - Principles of Microeconomics | ● ECON 457 - Mathematical Economics |

## **RESEARCH and TEACHING INTERESTS**

- |                        |   |
|------------------------|---|
| ● Economic Development | ● Natural Resource Economics                |
| ● Geospatial Analysis  | ● Input-Output and Economic Impact Analysis |
| ● Ecological Modeling  | ● Applied Econometrics                      |
| ● GIS Modeling         |   |

## AWARDS and HONORS

- Travel Stipend for Big Ideas for USA/Mexico Border Prosperity Symposium, Ciudad Juárez, Mexico, 2021
- NMSU PhD Tuition Scholarship, 2021, 2023
- Pruet Family Economic Development Scholarship, 2021
- Glen E. Yoquelet Graduate Scholarship, 2018, 2019, 2020
- Wilson K. Cadman Endowed Scholarship, 2019, 2020
- Bobby J Creel Endowed Scholarship, 2020
- Travel Stipend for the 64th NM WRRRI Annual New Mexico Water Conference, Pojaque, New Mexico, 2019
- Aerial Achievement Medal with 4 Oak Leaf Clusters, 2009-2013

## PROFESSIONAL AFFILIATIONS

- United States Association for Energy Economics (USAEE)
- North East Economic Development Organization of New Mexico (NEEDO-NM)
- World Social Science Association (WSSA)
- Textbook & Academic Authors Association (TAA)
- National Speleological Society (NSS)

## EXTRACURRICULAR ACTIVITIES and COMMUNITY SERVICE

- Member - National Speleological Society (NSS), Southwest Region of NSS, and Mesilla Valley Grotto
- Research Team - Fort Stanton Cave Study Project
- President - NMSU Water Science and Management Graduate Student Organization

## MISCELLANEOUS

### Languages

- Fluent in English; Intermediate in Spanish

### Software

- ArcGIS, ESRI Web Applications, STATA, Cascade, Excel, IMPLAN

## REFERENCES

Dr. Chris Erickson, NMSU College of Business	575-646-5715	chrerick@nmsu.edu
Dr. Yu-Feng (Winnie) Lee, NMSU College of Business	575-646-4662	wlin@nmsu.edu
Dr. Michael Patrick, NMSU College of ACES	575-646-5682	jmpat@nmsu.edu
Dr. Jamal Mamkhezri, NMSU College of Business	575-646-1915	jamalm@nmsu.edu
Dr. Brian Hurd, NMSU College of ACES	575-646-2674	bhurd@nmsu.edu
Dr. Scott Carson, UTPB College of A&S	432-552-2195	carson_s@utpb.edu
Dr. Frank Ward, NMSU College of ACES	575-646-1220	fward@nmsu.edu
Dr. Jacqueline Waite, NM-EMNRD, ECMD	505-629-2858	jacqueline.waite@state.nm.us
Dmitry Nedelin, Lt Col USAF	502-455-1755	dmitry.z.nedelin.mil@mail.mil