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| Randall Chicola |
|  | Chicolabiz@gmail.com(815) 298-7779Personal Website: <https://rchicola.github.io/> |  |
|  | PROFILE  |  |
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| Over 8 years of professional experience in various roles including electric utilities, financial industry, academia, and social media marketing which require the ability to understand, analyze, and effectively communicate complex quantitative information to stakeholders. Ph.D. in economics specializing in operations research and microeconomics. Professional education and expertise in applied econometrics, public economics, and financial risk management have been demonstrated through several projects.Firstly, I use a Mixed Integer Programming (MIP) software called EnCompass for Integrated Resource Planning (IRP) of electric generation assets including prospective additions of renewable energy projects proposed for grid integration and modeling NPV of these projects to utility members. Secondly, I have used GAMS for optimizing Nevadan rancher income under water resource constraints. Thirdly, my third dissertation chapter used home prices in the Nevada housing market by using data web scrapped in Python from Washoe and Clark County Assessor websites and a neural network to infer income brackets based on home and property attributes.

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| EXPERIENCE |  |
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***May 2023 to present.*** **Economic Analyst** • **Chugach Electric Association, Inc** 5601 Electron Dr, Anchorage, AK 99518 Economic analysis in support of regulatory compliance and strategic planning including:* Analysis of efficacy and avoided cost potential for renewable energy project proposals.
* Sales determinant forecasting for service classes.
* Real options analysis of strategic asset utilization and cost savings proposals.
* Economic and financial analysis for resource planning.
* Natural gas contracts and performance of Beluga River Unit (BRU) Working Interest Ownership (WIO)
* BRU Contributed Capital methodology avoided cost analysis.
* Power Pool Variable O&M modeling using M Language and power queries.
* Statistical analysis of load data & service class usage patterns.

Trained Areas:* Electric Power Research Institute (EPRI) Training Course for Load Forecasting using Long Short-Term Memory (LSTM) and Autoregressive Integrated Moving Average (ARIMA) models.
* New Mexico State University (NMSU) Regulatory Training Course for Revenue Requirements, Rate Design, Class Cost of Service Studies, Energy Efficiency & Regulatory Policy, Low Income Programs & Energy Justice, and Rate Case Procedures.
* Electric Utility Consultants, Inc. (EUCI) Training Course for Cost of Service for new generation and Rate Design.

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| — EDUCATION — |
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| **University of Nevada, Reno**Ph.D. in Economics, Conferral Date: May 17, 2024Specializations: Operations Research & Applied Econometrics **University of Nevada, Reno**Master of Science in Economics Conferral Date: Jan 22, 2023**Loyola University of Chicago** Master of Science in Finance with Risk Management concentration (Graduated 2012)**Loyola University of Chicago** Master of Business Administration (MBA) with Finance concentration (Graduated 2012)**Eastern Illinois University** Bachelor of Science in Business, Finance Major(Graduated 2008)  |

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***August 2018 to April 2023.***

**Graduate Research Assistant** • **University of Nevada, Reno**

1664 N Virginia St, Reno, NV 89557

Worked for UNR’s University Center for Economic Development (U.C.E.D.) researching pertinent issues to the Nevadan Economy including:

* Performed economic impact analysis of the COVID pandemic related CARES act funds and PPP loan programs on the Nevadan Economy using Implan software on behalf of Western Nevada Development District (WNDD).
* Published technical reports comparing [Payment in Lieu of Taxes (P.I.L.T.)](https://naes.agnt.unr.edu/PMS/Pubs/2022-4569.pdf) monies received by Western States on behalf of the Governor’s Office of Economic Development (GOED).
* Developed an improved cow-calf Nevada ranching model to account for drought conditions as well as decreased forage from reduced BLM permitted Animal Units per Month (AUM) allotments using GAMS.

Dissertation & Research Projects:

* Research paper: *Constructing Precinct Level Income Variables Using Deep Learning*

Used Python to web scrape Washoe County and Clark County Assessor home and property data to model precinct level income using a sequential neural network (NN). Predicted income generated by the NN is then able for use in an event study of energy policy referenda in concert with solar installation data from NV energy.

* Research paper: *Implications of Sales Tax Enforcement on E-commerce: Evidence from Nielsen Consumer Panel Data*

Used Stata for demand estimation via a quadratic almost ideal demand system (QUAIDS) of Nielsen Consumer Panel data between online and brick & mortar store purchases over the period when states were imposing sales taxes onto online goods. This was done to determine the sensitivity of the online consumer demand response as measured by uncompensated and compensated elasticities.

* Research paper: *Joint Prediction and Simulation of Labor Force and Fiscal Conditions of Nevada Counties* Modeled the effects of in-commuters and out-commuters to better understand labor dynamics and their effect on county fiscal balances using Three Staged Least Squared Regression and Seemingly Unrelated Regression models in Stata. Pertinent to Washoe and Story Counties for the Tahoe-Reno Industrial Complex (TRIC).

***July 2017 to September 2018***

**Assistant Vice President & Comptroller** • **Financial West Group (FWG)**

4510 Thousand Oaks Blvd #200, Westlake Village, CA 91362

Delivered effective leadership to financial professionals during important period of transition during the sale of the retail brokerage business to Western International Securities (WIS) to focus on investment banking and direct participation programs under the direction of the C.E.O. Gene Valentine.

• Supervising all aspects of financial control of the firm.

• Deliver financial, operational, and strategic support to the business.

• Preparing financial and management database information in SQL and Foxtrot commissions processing.

• Due diligence for registered representatives at Foss & Company for renewable energy tax credits.

• Communicating with securities brokers and investment bankers to facilitate transactions and process commissions.

• Preparing monthly reports, AP budgeting, liquidity & risk-management planning, P&L, FP&A, Balance Sheet, and Cash Flow Statements.

• Developing the finance team to a streamlined business model catering to investment banking and direct partnership programs.

• Financial analysis of Marcellus shale oil & gas leases held by O.V. Royalty trust and related expansion projects.

• Facilitated monetary transactions exceeding $300,000.

• Coordination of the firm’s electronic banking and investing activities.

• Facilitating coordination among securities regulatory compliance staff with brokers, accounting, and legal staff to comply with FINRA and SEC regulatory information requests.

• Developed financials for a loan proposal based on mineral rights assets.

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|  | EXPERIENCE (cont.) |  |
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***August 2013 to May 2017***

**Undergraduate Lecturer** • **Benedictine University**, 5700 College Rd, Lisle, IL 60532

Undergraduate Lecturer of Finance, Microeconomics, & International Business under Dr. Isobel Lobo, Dr. Timothy Goines, and Dr. Deborah Cernauskas.

Classes taught: International Business (INTB 101), Principles of Microeconomics (MICR 102), FINA 220 (Personal Financial Planning), FINA 300 (Managerial Finance), FINA 310 (Money and Financial Markets), FINA 320 (Investments), FINA 345 (Fixed Income), FINA 370 (Multinational Corporate Finance)

***February 2009 to May 2012***

**S.E.O. Analyst & PPC Manager** • **Smarty Media**, 750 N Orleans St Suite #500, Chicago IL 60646

* Revenue generation for ecommerce and lead generation for sales reps.
* Search Engine Optimization (S.E.O.) and Pay-Per Click (P.P.C.) advertising and marketing campaigns including social media with infographics.
* Analyzed PPC marketing performance and conversion rate optimization.
* Bookkeeping and Accounting tasks (Payables, Receivables, journal entries, Quarterly Financial & Google Analytics Reports, etc.)

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|  | SOFTWARE |  |
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**Overview**: EnCompass, Python, Stata, R programming, GAMS, SAS, SPSS, EViews, Tableau, ArcGIS, Microsoft Power BI (models, transformations, visualizations, DAX, NL query), Excel (M Language, power query, xlookup, index/match, pivot tables, etc.), PowerPoint, Overleaf, Latex, Workday, Bloomberg Terminal, Implan

**Python**: Used Python web-scrapping packages in PyCharm & Google Colab to collect residential property price and home characteristic data from Washoe and Clark County Assessor’s websites to analyze support for solar energy referendums as measured by NV Energy solar panel installation data. Keras API on top of Tensorflow was used for the machine learning component of the project which used the home and property data to predict income bracket shares at the precinct level.

• Beautiful soup, bs4, selenium, requests, pandas, NumPy, PyTorch, Colab, Keras

**Microsoft SQL Server:** Used SQL to create a custom relational database for approximately 10 TB of Nielsen consumer panel data.

• JOIN Statements (inner, left, right, outer), Common Table Expressions (CTE) (e.g. select, insert), sub-queries, where, from, create (tables, view), intersect, union, etc.

**STATA**: Expertise using Almost Ideal Demand System with Iterated Linear Least Squares (AIDSILLS) package

for demand estimation of approximately 60 million annual online and traditional brick and mortar purchase observations with the imposition of exogenous sales tax policy. In another regional model using Nevada fiscal and labor data, seemingly unrelated regression (SUR) and three-stage least squares (3SLS) econometric methods were used. Graduate research assistant work also utilized Stata on a regular basis.

• aidills, quaids, loops, regression, statistical analysis, simulations, post-estimation, homogeneity, symmetry, dsgenl

**R**: Used R-project for web-scrapping, statistical analysis, regressions, looking at structural breaks, post-estimation, and other techniques.

• OLS, GLS, fixed effects, numerical optimization, VAR, time series, ARIMA, GARCH.

**IMPLAN:** Used IMPLAN for impact analysis of CARES Act programs such as Paycheck Protection Program (PPP) loans for the Western Nevada Development District (WNDD)

**GAMS**: Used a GAMS ranching model for Humboldt County that optimized discounted rancher revenues modified for considerations for Federal Animal Units per Month (AUMs) and water allotments. Also used LINDO and GAMS for operations research coursework.