# James Kolberg

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## WORK EXPERIENCE

**Denver Regional Council of Governments – Data Science & Analytics Team**          Oct. 2023 – Present
*Data Analyst*                                                                                                                          *Demver, CO*

The Data Science & Analytics Team's primary duty is to create the Small Area Forecast for the Denver Region to be used in transportation planning. As a Data Analyst, I am responsible for:

- Maintaining the data inputs used by the Urbansim land use model which is used to generate the Small Area Forecast. The UrbanSim land use model is a microsimulation relying primarily on discrete choice models to predict future development.

- Performing model enhancement and upgrades which is accomplished by modifying, testing and troubleshooting the DRCOG Urbansim python repository.

**Mid-Region Council of Governments – Metropolitan Planning Org.**          Feb. 2017 – Oct. 2023
*GIS/Socioeconomic Data Analyst III*                                                                                      *Albuquerque, NM*

The Metropolitan Planning Organization is responsible for the allocation of federal (FHWA/FTA) transportation funding in the Albuquerque metro area. As a GIS/Socioeconomic Analyst III, I am responsible for:

- **Forecasting:** creating the demographic and economic forecasts that inform the long-range transportation planning process. The statistical models I use for forecasting include Urbansim and REMI.

- **Data analysis:** overseeing the collection, cleaning, and analysis of the sizable amounts of data needed for forecasting.
    - I primarily use Python (including pandas and arcpy libraries) to perform the analysis and cleaning of the large datasets/GIS layers that are needed as inputs to the land use model.
    - Datasets include census data (PUMS microdata, decennial block data), employment data, business establishments data, and a massive regional assessor parcel GIS database.

- **Economic impact analysis:** Performing and writing economic impact analyses to support local governments' federal EDA grant applications.

- **Data visualizations:** presenting forecasts and other data visualizations using Tableau and ArcGIS Online.

**Univ. of New Mexico - ECSC Database Services**          Sep. 2015 – Feb. 2017
*Education Support Coordinator (Data Analyst)*                                                                  *Albuquerque, NM*

- Responsible for generating queries and reports using T-SQL and Crystal Reports.

- Provided technical user support and training for the database.

- Gathered system requirements and worked with software developers to implement new features.

**Univ. of New Mexico – Continuing Education**          Apr. 2015 – Sep. 2015
*A/V Tech*                                                                                                                                *Albuquerque, NM*

Responsible for setup and troubleshooting of all audio-visual equipment in auditorium and classrooms.

**Univ. of Portland – Public Safety**                                    **Dec. 2012 – Oct. 2014**
*Telecommunicator*                                                              *Portland, OR*

- Responsible for all technology and communications operations for the overnight security team.

- Answered emergency and 911 phone calls and relayed information via radio to public safety officers.

## EDUCATION

**Lewis and Clark College**                                                      **Dec. 2011**
*BA, Economics*                                                                  *Portland, OR*

- 3.4/4.0 GPA, Senior Thesis: *What was the effect of Light Rail on Portland's Housing Market?*

- KLC Radio Sound Engineer, Registrar's Office Student Employee.

## SKILLS & INTERESTS

- **Skills:** Programming (Python); database management (SQL); economic/demographic forecasting; statistical modeling; GIS (arcpy, ArcGIS Pro); census data; transportation planning; data analysis; econometrics; urban economics, data visualization (Tableau).

- **Interests:** Hiking; camping; backpacking; guitar; singing; writing/recording music; PC building; woodworking.