



Data Scientist

ROLE SUMMARY

Under the supervision of the Deputy Chief Administrator of COPA's Policy, Research and Analysis Division (PRAD), the Data Scientist will be assigned to PRAD on a variety of data engineering and analysis projects to help develop actionable, data driven solutions that inform strategic decisions, and will perform related duties as required.

Location: 1615 W. Chicago Ave, 4th floor, Chicago, IL 60622

Days: Monday - Friday

Hours: 9:00am to 5:00pm

Salary: Up to \$90,084

ESSENTIAL DUTIES

- Leverages structured, semi-structured, and unstructured data to inform decision making through data mining, statistical methods, applied artificial intelligence/machine learning algorithms, and/or spatial analyses to find patterns and relationships in large volumes of data.
- Develops standardized data processing systems for transformation, coding, linking, de-duplicating and combining of data sets.
- Uses data to establish, maintain, and improve statistical models addressing departmental needs.
- Assists in coordinating access to existing data systems, ensuring data security and integrity.
- Develops data processing strategies, application programming interface (API) access and outputs for new departmental projects and programs requiring data.
- Produces exploratory data summaries, visualizations, and presentations to highlight topics of potential focus for further analysis, policy review, and/or external collaboration.
- Identifies new ways to use existing data, new links between existing data, and new useful data sources.
- Works collaboratively to identify and resolve data quality issues.
- Documents analysis approach, methods, and programming code to allow projects to be transferred and automated.

- Contributes to policy recommendations, advisories, and research/analysis reports where applicable.
- Coordinates and communicates across teams to understand their processes and determine project feasibility, deliverables, scope, timeline, reporting, and impact.
- Stays abreast of current events and activities and participates in seminars, webinars, and other activities to develop skills and incorporate new advancements in the field of data science.
- Presents work at related meetings and conferences.

The list of essential duties is not intended to be exhaustive; there may be other duties that are essential.

MINIMUM QUALIFICATIONS

Graduation from an accredited college or university with a Bachelor's degree in Data Analytics, Statistics, Mathematics, Economics, Computer Science, or Information Technology/Systems or a directly related field, plus three (3) years of experience in data analysis or data management; or an equivalent combination of education, training, and experience.