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| Sean Trainor | Omaha, NE 68105 • (708) 465-8744  [Portfolio](https://seanjtrainor.netlify.app/) • [seanjtrainor@gmail.com](mailto:seanjtrainor@gmail.com) • [LinkedIn](https://www.linkedin.com/in/sean-trainor-2394b2126/) |
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**Qualifications Summary**

Highly motivated and technically-minded professional with hands-on experience utilizing analytical, statistical, and programming skills to collect large data sets. Able to solve complex business problems with big data. Talent for creating data visualizations to enable general audience to better understand data.

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| Data Science & Analytics   * Expert in extracting, analyzing, and interpreting large amounts of datasets from a variety of sources to perform advanced data analysis. * Highly adept at identifying and visualizing data trends to drive business growth.   Team Collaboration   * Instrumental at liaising effectively with team members and colleagues for timely completion of several tasks. * Ability to compete for new challenges and resolve technical issues. | Machine Learning   * Demonstrated capability of building complex machine learning models using various algorithms and forecasting future trends. * Excellent understanding of performing statistical analysis and using results to improve models.   Technical Proficiencies   * Proficient at utilizing SQL, data visualization, machine learning, R programming, SAS, Python, Git, and Microsoft Azure. * Possess exceptional interpersonal, problem-solving, and time-management skills. |

**Professional Experience**

**Blue Cross Blue Shield Nebraska, Omaha, NE 2021 – Present**

**Risk Adjustment Data Analyst**

Determine high risk members to improve plan's risk score by implementing classification machine learning models. Identify how to allocate company resources through utilization of machine learning algorithm outputs. Clean and convert raw claims data in SQL to use for data analysis and predictive modeling. Evaluate provider and company performance through development of data visualizations in Power BI tracking key metrics.

*Key accomplishments;*

* Uncovered high risk members for outreach leveraging predictive analytics; resulting in enhancing $500K in net revenue.
* Recognized providers with improper billing practices; resulting in increasing risk adjustable diagnosis codes by 12%.
* Assessed effectiveness in risk adjustment by designing key performance indicators for provider groups based on claims and demographic data.

**Evolent Health, Chicago, IL 2019 – 2021**

**Data Analyst**

Identified cost saving opportunities and care management practices with optimal health outcomes by analyzing medical claims data. Tracked members' medical benefits by structuring and managing tables in data warehouse. Utilized Python for automation of key quality assurance processes. Developed dashboards in Excel and Power BI to present analyses to key stakeholders.

*Key accomplishments;*

* Determined providers for prescribing name brand prescriptions with generic alternatives available; saving cost opportunity by $200K.
* Uncovered discrepancies in costs of certain procedures between different facilities; resulting in securing potential cost opportunity by $300K each year.
* Developed algorithm to accurately labeled members' benefits; resulting in maximizing reporting accuracy by 10%.

**Northwestern University, Chicago, IL 2018 – 2019**

**Master's Student Analyst**

Executed linear and quantile regression to test relationship between medication usage and physical activity amongst adults with at higher risk for knee osteoarthritis. Delivered findings at academic poster session.

*Key accomplishments;*

* Performed as Co-writer of manuscript titled "The Relationship between Polypharmacy and Physical Activity in Those with Knee Osteoarthritis" published by Journal of American Geriatric Society.
* Recognized association between number of prescriptions and level of physical activity among people with Osteoarthritis.

**Education**

**Master of Science (MS) in Biostatistics | 2019**

Northwestern University, Chicago, IL

**Bachelor of Science in Biochemistry (Summa Cum Laude) | 2016**

Rockhurst University, Kansas City, MO