**Sarah A. Mangrum**

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# *SUMMARY*

Compassionate and driven graduate of a Data Science certificate program with previous experience in healthcare. Dedicated to leveraging my prior knowledge to uncover actionable insights and improve outcomes through data wrangling, analysis, and visualization.

# *SKILLS AND STRENGTHS*

* **Technical Skills**: Excel | SQL | Tableau | Python | R | Data Prep and Analysis | Basic Statistics
* **Professional Skills**: Problem-Solving, Mentorship, Cross Collaboration, Communication, Time Management

# *PROJECTS*

[Analyzing the Impact of Diabetes on Hospital Admissions](https://www.linkedin.com/pulse/analyzing-impact-diabetes-hospital-admissions-sarah-mangrum-bmkzc/)

* Using **SQL**, Explored **100,000+** row patient healthcare data set, assessing key factors such as hospital equality & duration of hospital stay.

[Massachusetts Education System: A Look at Performance](https://www.linkedin.com/pulse/massachusetts-education-system-review-sarah-mangrum/)

* Using ***Tableau***, created interactive dashboard from Massachusetts Dept. of Education dataset identifying key performance metrics for **1800+** schools allowing at-a-glance viewing & understanding of the entire program.

[Burgers & Fries, Oh My: A Look at Food Delivery Sales](https://www.linkedin.com/pulse/burgers-friesoh-my-look-food-delivery-sales-sarah-mangrum/)

* Using***Excel,***analyzed **2000+** rows of customer data from *iFood* datasetutilizing Data Aggregation, Pivot Tables, & VLOOKUP to evaluate campaign success levels identifying key insights of the customer population & enabling improved targeting of marketing funds.

# *EXPERIENCE*

## Lead Mammographer

Advent Health | Texas Health Huguley Hospital Fort Worth South | April 2018 - Present

* Managed Mammography Quality Assurance/Quality Control Program while performing **1500+** exams annually & completing machine performance testing resulting in high-quality patient exams & imaging.
* Observed patient scheduling trends and determined opportunities to increase appointment availability by adding early morning, lunch-hour, and evening appointments optimizing the schedule & increasing weekly appointments by **15%.**
* Fostered positive, trusting relationships while delivering exceptional patient care & bolstering Press Ganey patient satisfaction survey “overall care experience” KPI scores from **5% to 82%**  in my first year.
* Facilitated & supported training and mentorship to **10+** technologists offering expertise & domain knowledge while providing patients with skilled, educated individuals during their exam experience.

## Lead Mammographer

Texas Health Resources | Texas Health Harris Methodist Hospital Stephenville | July 2007 - May 2019

* Managed Mammography Quality Assurance/Quality Control Program & reviewed **500+** patient records annually while tracking, categorizing, and informing patients & physicians of potential abnormalities & cancers of the breast.
* Developed & implemented EQUIP Image Quality Review Program using state regulations to ensure quality images submitted for Radiologist interpretation resulting in **zero** compliance deficiencies.
* **100% success rate** on **10+** Texas Department of Health/FDA Annual MQSA Inspections & fostered leadership by serving as High-Reliability Coach, Student Mentor, & Patient Safety Observer

# *EDUCATION*

* **Data Analytics Accelerator Certification**

Data Career Jumpstart, January 2024-Present

* **Data Science Certification**

Southern Careers Institute powered by Woz U, April 2021 - November 2021

## Radiologic Technology Certification

JPS Institute for Health Career and Development, 2000-2002