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The Insider - Rockin' Role: Data Scientist

1 message

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"It is a capital mistake to theorize before one has data." - Sherlock Holmes

Predicting emergency department (ED) wait times a week in advance helps Ascension facilities better coordinate staffing to serve our patients and ensure they are cared for in a timely manner. Identifying patients at greatest risk for adverse outcomes or needing more intensive therapeutics helps Ascension optimize clinical and population outcomes. Evaluating the impact of technical and clinical innovations ensures that Ascension is maximizing our investments and accelerates adoption of value-add processes and programs. These predictions and evaluations are made using data.

Ascension has worked to mature our data approach over the past few years – moving data to the cloud to make it more accessible, identifying gaps in our data set and filling those gaps with external data to help build a complete picture to understand the impact of our work.

But data alone doesn't tell us everything. Our data scientists on the Ascension Data Science Institute (ADSI) team help us understand what the data means. Data scientists analyze and interpret complex data and organize it into formats that are easily understood to reveal trends and develop forecasting models.

For example, data scientists are setting up the ability to search across diagnostic reports and patient records to ensure patients aren't missed for cancer care follow ups. An algorithm searches the free text of physician notes in the electronic health record (EHR), using natural language processing to provide a second pair of eyes that ensure a follow up is flagged in the patient's file.

Data scientists are embedded within ADSI's vertical areas – or domains – such as Population Health, Actuarial, Health Outcomes, and Patient and Safety Analytics as well as within the Data Science Center of Excellence (CoE) to spread expertise across the team. In addition, the CoE ensures standards and best practices are adhered to across projects and that talent is developed with continuing education and certifications.

Using machine learning to process large quantities of data with algorithms that improve automatically through experience, our data scientists are helping Ascension leaders and teams make informed decisions that serve our mission, patients and communities.

More news

Please watch for an email from our survey vendor, Perceptyx, with the link to Ascension's Associate Experience Survey. Your voice matters, and we need your feedback about your experience here at Ascension. It's also an opportunity to voice your thoughts on the adoption of our ABIDE framework.

A new training module on Creating a Culture of ABIDE and Psychological Safety is now available under "Promoted Learning" on your [myLearning Experience Hub](#).

This [quick guide to HR services](#) is a one-stop resource that includes phone numbers and links to frequently used services.

Planning to travel internationally? When you need to access Ascension resources from countries outside the United States, [this document](#) addresses guidelines and procedures for all phases of international travel.

This publication provides a news summary to associates across the Strategy & Innovation team led by Eduardo Conrado, including our Ascension Technologies, Ascension Studio, Ascension Data Science Institute, Strategy and Strategic Business Development teams. See more news on our [new intranet page](#).

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