








GiveCare Home Care

A NY-based caregiver staffing company used AI to predict staffing turnover rates.




 Problem Staffing caregivers became unreliable due to no-shows	 Solution Data Scientist built an AI model that predicts turnovers	 Result Improved caregiver show-up rate by 3x	 Impact AI flags caregivers that are likely to no-show
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Give Care

 Healthcare
  10-50
  Bootstrapped

GiveCare Home Care is a New York City-based company that provides caregiver staffing services to hospitals and families in need.

Services used

 Classification Models	 Data Merging	 Data Enrichment	$ax + by = c$ Statistical Work
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The Problem

GiveCare Home Care, a reputable caregiving staffing service located in New York City, was facing a significant issue in maintaining reliable staffing.

The firm experienced high turnover rates and consistent no-shows from their caregivers, impacting their ability to reliably provide quality care to hospitals and families in need.

This presented not only an operational hurdle but also threatened the quality of service and trust in their brand.

The unpredictability of these events and inability to anticipate them were causing both financial and reputational strain on the company.

The Solution

In a strategic move to address this challenge, GiveCare Home Care sought the expertise of Ellington Digital, renowned for providing custom artificial intelligence solutions for businesses.

By leveraging Ellington Digital's advanced predictive modeling capabilities, they aimed to forecast potential staffing shortages and turnover rates.

Together, they built an AI model tailored specifically to predict and understand these workforce anomalies.

The model was trained on GiveCare's historical staffing data, enabling it to pick up on patterns and correlations that could predict future staffing issues.

The Outcome

The resulting AI model proved to be highly effective, boasting an impressive accuracy rate of 89%.

By leveraging this predictive model, GiveCare Home Care now has the ability to foresee potential staffing shortfalls and turnover incidents before they occur, allowing them to take proactive measures to maintain their operations.

This has significantly reduced the number of no-shows and unexpected turnovers, ensuring seamless service to their clients and maintaining the quality reputation of GiveCare Home Care in the marketplace.