iLink Digital

IMPROVING PET VETERINARY HOSPITAL STAFFING WITH PREDICTIVE MODELING

iLink helped one of the top pet veterinary hospital chains in the United States to develop a predictive model for forecasting the demand for Doctor of Veterinary Medicine (DVM) needed to treat patients.
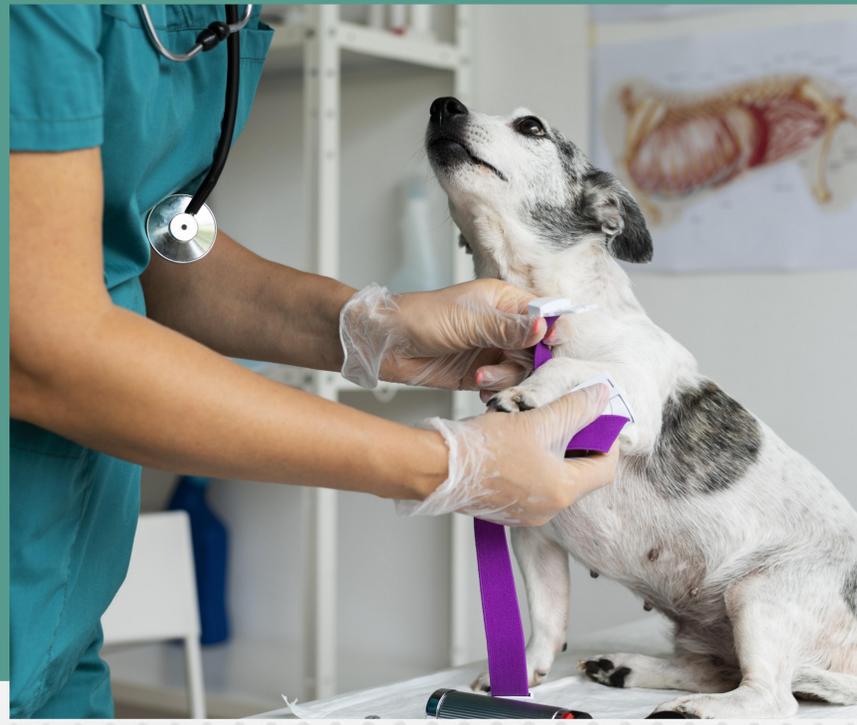
CLIENT REQUIREMENT

The client was facing challenges with DVM staffing due to the unpredictable demand for their services. The client needed a solution to forecast the number of patients that would require DVM services to optimize their staffing and improve the quality of care they provide to their patients.

PROCESS

iLink worked with the client to understand their business objectives and the challenges they were facing. The team then analyzed the client's data to build a predictive model that would forecast the number of patient visits that require a DVM. The input parameters for the model included:

OUTCOMES

Improve DVM staffing prediction accuracy by **40%**

Reduce overstaffing and understaffing costs

| Day and season of the visit | Geography of the hospital | Number of appointments scheduled | Number of visits |

The model was built using machine learning algorithms that learned from the data to predict. The iLink team then tested the model to ensure its accuracy and provided recommendations on how to optimize DVM staffing based on the model's predictions.

Build a predictive model to forecast the number of patient visits

Input parameters such as Day & season of the visit, geography of the hospital, Number of appts scheduled, Number of visits

Model learns with data
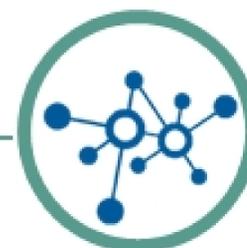
Help in Decision making

In summary, the client has optimized their DVM staffing to meet demand, reducing costs and ensuring high-quality patient care. This achievement establishes them as a leader in strategic staffing planning for maximum productivity and exceptional outcomes.