Success Story

Developing a Data and AI Strategy for a Mid-Market Healthcare Organization

ABC Healthcare Solutions

Employees:
60,000 (2021)

Annual revenue:
$100 Million

Industry:
Healthcare

Data & AI Are Our Singular Focus

Data Products is a diverse firm with senior and executive data scientists focused on fully developing project solutions that leverage advanced mathematics and data that drive tangible insights that optimize your organization's operations.

The Situation

Background and Business Problem

ABC Healthcare Solutions, a mid-market healthcare provider, recognized the potential of data-driven insights and AI technologies to improve patient care and streamline operations.

The Challenge

ABC Healthcare Solutions struggled with having a comprehensive Data and AI strategy to leverage its vast data assets and to identify high-impact AI applications. They sought an experienced partner to guide them in developing and implementing a tailored data and AI strategy to realize these benefits.

The Solution

Data Products partnered with ABC Healthcare Solutions to develop a data and AI strategy through the following steps:

1. Current State Assessment: Data Products conducted a thorough evaluation of ABC Healthcare Solutions' existing data infrastructure, capabilities, and AI maturity level.
2. Stakeholder Interviews: Data Products engaged key stakeholders across departments to identify critical business challenges and potential opportunities for AI-driven solutions.
3. AI Opportunity Identification: Based on stakeholder input and market research, Data Products identified high-impact AI use cases that aligned with ABC Healthcare Solutions' objectives and priorities.
4. Data Governance Framework: Data Products established a data governance framework to ensure data quality, security, and compliance with relevant regulations.
5. AI Roadmap and Implementation Plan: Data Products created a phased AI implementation roadmap, including timelines, resource requirements, and expected outcomes.
6. Change Management and Skill Development: Data Products provided guidance on change management strategies and skill development initiatives to enable a smooth transition and adoption of AI technologies.
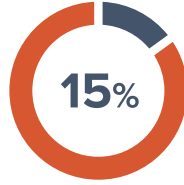
DATA PRODUCTS

Results

The Data and AI strategy developed by Data Products led to the identifying and prioritizing of 3 high-impact AI use cases, including a patient risk prediction model, appointment scheduling optimization, and automated billing error detection.
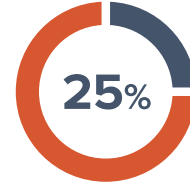
The implementation of the AI use cases, resulted in:

20%
Reduction in hospital readmissions

15%
Increase in appointment capacity

25%
Decrease in billing errors

Testimonials

Data Products' expertise in data and AI strategy development has been instrumental in transforming our organization. Their collaborative approach helped us identify and prioritize high-impact AI solutions that have already begun to drive significant improvements in patient care and operational efficiency.

Dr. Jane Doe,
Chief Medical Officer at
ABC Health Organization

The Data and AI strategy developed by Data Products has empowered our organization to confidently leverage data and AI technologies. Their insights have helped us not only to identify new opportunities but also to build a foundation for continued innovation and growth.

John Smith,
Director of Operations
at ABC Health Organization

Key Takeaway

The Data and AI strategy developed by Data Products led to the following quantifiable impacts: A 30% improvement in data quality through the data governance framework, enabling more accurate and reliable analysis. And a 40% increase in data-driven decision-making across the organization, resulting in improved patient care and operational efficiency.