Tiger
Analytics

One of the biggest healthcare provider chains in California developed an analytical solution to predict readmission risk and the Length of Stay of the admitted patients

The Background

The client wanted to reduce penalties running into tens of millions of dollars under Affordable Healthcare Act which penalizes hospitals with excessive readmission after discharge

Key
Challenges

Integrating records
from numerous sources
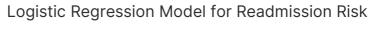
Consolidating
different aspects of data

Different set of factors
to consider for different
diseases

Our Solution

Logistic Regression Model for Readmission Risk

Linear Regression Models for Length-Of-Stay

Value Delivered

We identified important trend lines for diseases which was well appreciated by doctors

Solution captured 25% of readmissions by flagging 5% patients.

Length-Of-Stay predicted with high accuracy:

• Within ± 1 day for 60% of patients

• Within ± 2 days 80% of patients

About Us

Tiger Analytics is a global leader in AI and analytics, helping Fortune 1000 companies solve their toughest challenges. We offer full-stack AI and analytics services & solutions to help businesses achieve real outcomes and value at scale. We are on a mission to push the boundaries of what AI and analytics can do to help enterprises navigate uncertainty and move forward decisively. Our purpose is to *provide certainty to shape a better tomorrow.*

Being a recipient of multiple industry awards and recognitions, we have 4000+ technologists and consultants, working from multiple cities in 5 continents.
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