

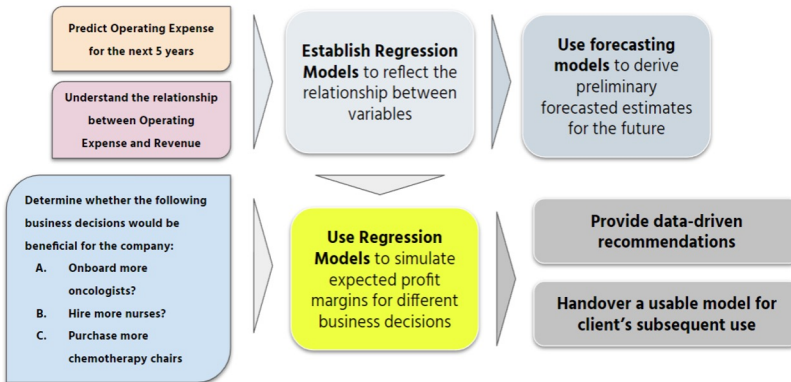
Background

- Increasing revenue, operating expenses, and net profit
- Changes in number of new patients every year
- Growing number of cancer patients and company's establishment

Purpose

- Forecast future revenue and operating expenses
- Provide data-driven recommendations on future management decisions (hire more doctors, nurses or buy more chairs)
- Saving resources for potential investments in the future

Approach



Methodology Applied

- Lasso
- Prophet
- Glmnet
- Croston
- Monte Carlo

Visualisation

ADDITIONAL CHAIRS

Date of Decision implementation (mmm-yy)	No. of Additional Chair(s) to Buy	Additional rental space required?	Additional Rental Fees expected (monthly)	Cost per chair	No. of years chairs are depreciated on	Current Capacity
Dec-25	3	Y	\$ 10,000.00	\$ 600.00	5	70%
Jun-26	2	N	\$	\$ 600.00		

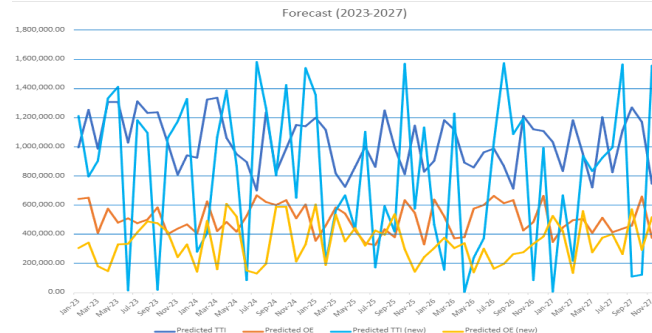
ADDITIONAL NURSES

Date of Decision implementation (mmm-yy)	No. of Additional Full-Time Nurses	No. of Additional Part-Time Nurses	Expected Salary for FT (if applicable)	Expected Salary for PT (if applicable)	Current Capacity
Dec-25	1		\$ 5,000.00		80%
Jun-26		2	\$ 2,500.00		

ADDITIONAL DOCTORS

Date of Decision implementation (mmm-yy)	No. of Additional Doctor(s)	Doctor's scope of work	Doctor Seniority	Doctor base pay	
Dec-25	1	Consultation	Senior	\$ 10,000.00	Input base pay here only ONCE for each doctor
Dec-25	1	Chemotherapy	Senior		
Dec-25	1	Medicine	Senior	\$ 5,000.00	

	Purely on Forecasts		Based on Decision Input	
	Predicted TTI	Predicted OE	Predicted TTI (new)	Predicted OE (new)
Jan-23	993,530.20	642,296.45	1,211,574.76	307,353.34
Feb-23	1,255,220.17	651,127.32	794,646.35	342,600.58
Mar-23	986,897.61	411,312.16	904,763.28	179,320.89
Apr-23	1,309,294.49	574,244.35	1,333,863.06	148,624.95
May-23	1,307,531.22	480,394.36	1,409,299.86	328,431.23
Jun-23	1,027,567.30	507,407.29	13,427.11	335,687.06
Jul-23	1,313,473.36	476,566.67	1,182,731.12	412,360.03
Aug-23	1,230,969.67	502,820.10	1,094,008.98	490,362.50
Sep-23	1,237,872.24	583,248.60	19,927.16	476,581.34
Oct-23	1,029,612.15	403,031.08	1,059,555.27	416,313.92
Nov-23	809,370.02	438,346.17	1,174,973.44	244,017.31
Dec-23	942,389.36	468,889.14	1,328,617.97	330,793.13
Jan-24	923,455.03	407,213.70	282,492.51	142,364.08



Key designs and features:

- Line graphs for user to view the relationships between the variables and revenue / operating expenses
- Showcases forecasts for the next 5 years
- Sensitivity analysis of revenue and operating expenses to provide a range of numbers that ICS can rely on

Key uses:

- Performed expense-to-revenue analysis to project how incremental expenses caused by different decisions affect profitability of ICS

Disclaimer:

This is a sample dashboard/output from our models. All visuals and charts shown here are hypothetical and based on proxy data.