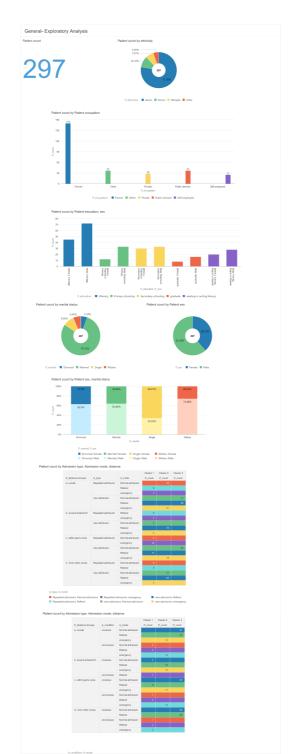
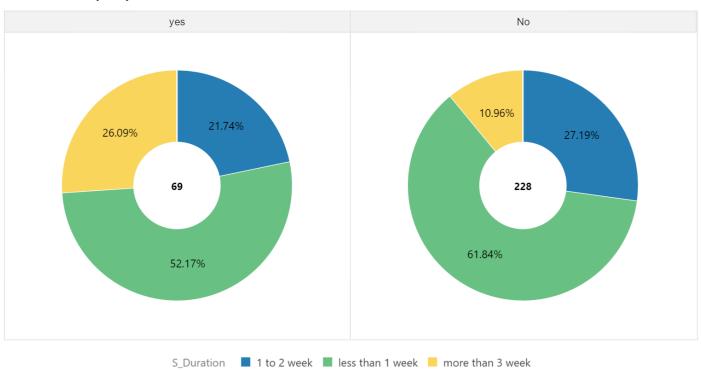
Final narration of results - General- Exploratory Analysis



Satisfaction level by gender and duration of stay





Explain Satisfaction_level



Anomalies in Satisfaction level



Performance Evaluation of ML models

Logistic Regression

Predicted Values

		yes	No	Total
	yes	8	3	11 (18%)
	No	1	48	49 (82%)
	Total	9 (15%)	51 (85%)	60 (100%)

Correct Prediction	0	100%
Incorrect Predicition	0	100%

F1 Value 0.80

Model Accuracy 93%

Precision 89%

Recall 73%

False Positive Rate 2%

Neural Network

Predicted Values

	yes	No	Total
yes	8	3	11 (18%)
No	4	45	49 (82%)
Total	12 (20%)	48 (80%)	60 (100%)

Correct Prediction	0	100%
Incorrect Predicition	0	100%

F1 Value 0.70

Model Accuracy 88%

Precision 67%

Recall 73%

False Positive Rate 8%

Random forest

Predicted Values

	yes	No	Total
yes	10	1	11 (19%)
No	13	35	48 (81%)
Total	23 (39%)	36 (61%)	59 (100%)

Correct Prediction	0	100%
Incorrect Predicition	0	100%

F1 Value 0.59

Model Accuracy 76%

Precision 43%

Recall 91%

False Positive Rate 27%