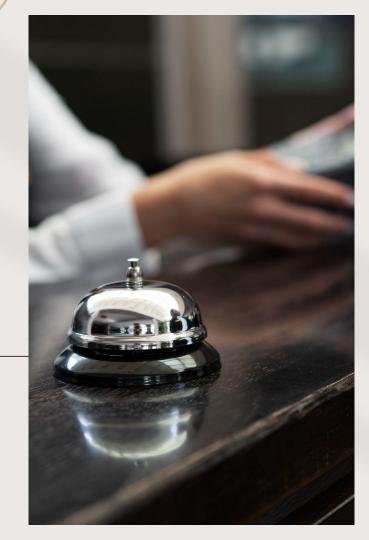
## HOTEL SENTIMENT ANALYSIS

- BY KARINA BASTO EYZAGUIRRE -



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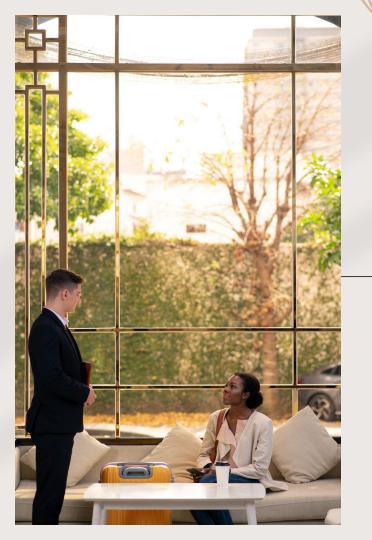
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## Business Understanding

"[...] overwhelming volume of unstructured customer feedback, making it difficult to manually extract actionable insights to improve services and reputation."



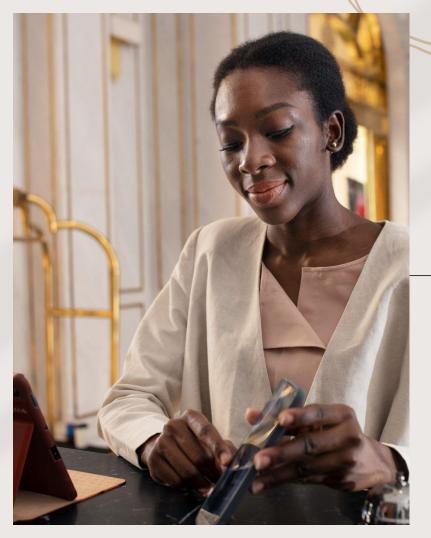


Data Understanding

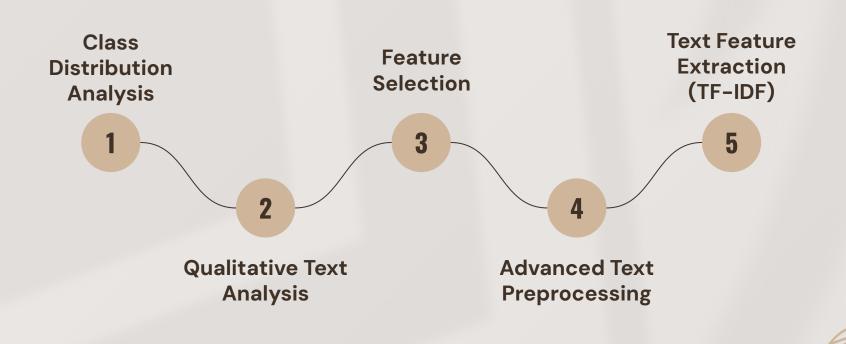
### Booking.com Hotel Reviews

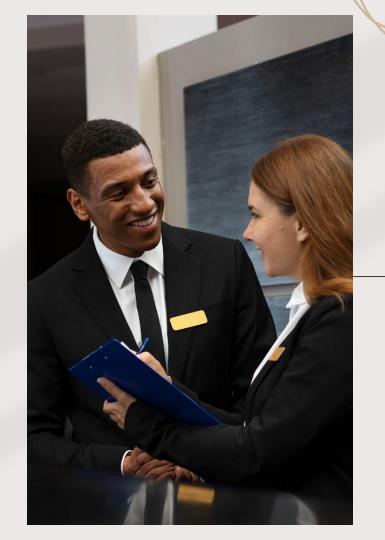
pulled from

kaggle



Data Preparation





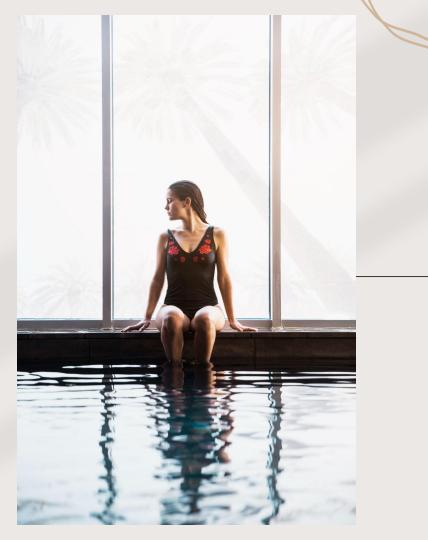
### Modelling

# Five Models

• **Q1** • Two Baseline Models

• **02** • Three Advanced Machine Learning Models

• **03** • One Deep Learning



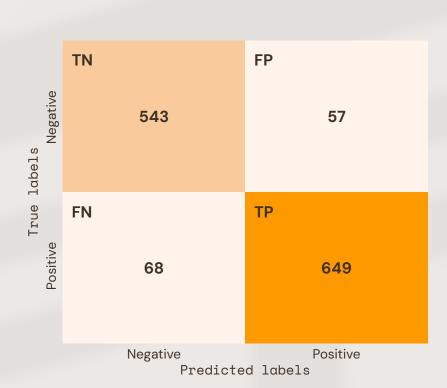
Results

#### Selected Model: Hypertuned Logistic Regression

Accuracy - 91%

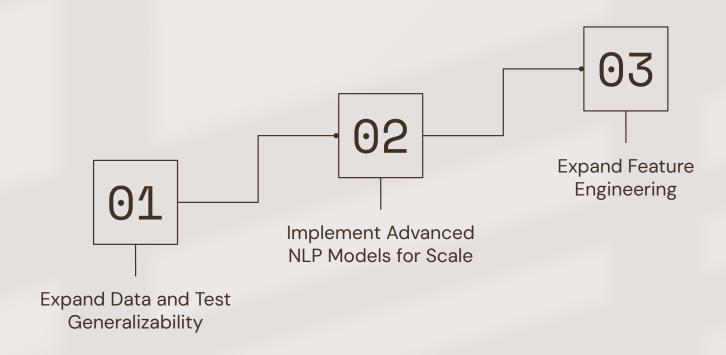
ROC-AUC - 97%

F1 Score (weighted) - 91%





Next Steps



## Thank you!

#### Do you have any questions?

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