



HEALTHCARE ANALYTICS WITH SQL

Advanced Data Analysis for Healthcare Operations

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Soundrapandian*

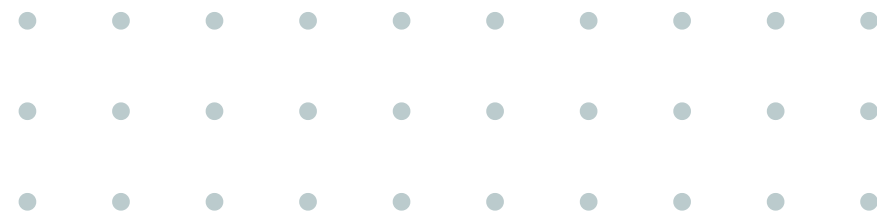


GOAL - ANALYZE HEALTHCARE DATA
(PATIENTS, DOCTORS, DIAGNOSES,
APPOINTMENTS, MEDICATIONS)

TOOLS - MYSQL (WORKBENCH)
USED

SCOPE - APPLY ADVANCED SQL
TECHNIQUES TO DERIVE INSIGHTS

PROJECT OVERVIEW





INTRODUCTION

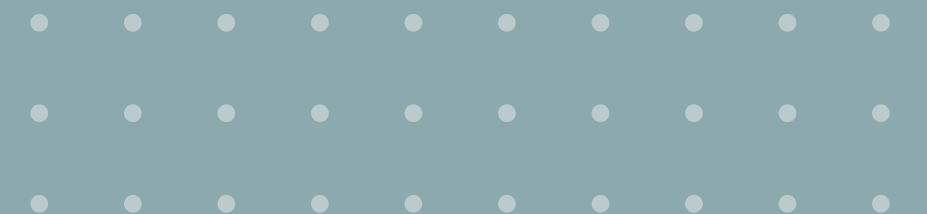
Healthcare Analytics is a data-driven domain focused on improving patient care, clinical decision-making, and hospital operations. It involves analyzing patient records, diagnoses, treatment plans, and outcomes to derive actionable insights. SQL plays a key role in querying and transforming structured healthcare data.





PROJECT INTRODUCTION

This project analyzes medical data using SQL to understand appointment trends, doctor efficiency, patient engagement, and medication usage. It provides insights into how healthcare providers manage patient records and treatments.



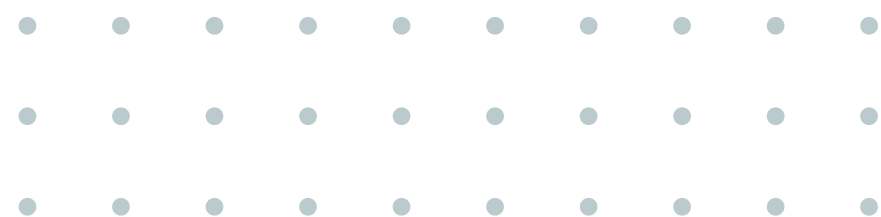
OBJECTIVE:

The objective is to extract, clean, and analyze healthcare data from multiple tables using SQL to generate insights on patients, doctors, diagnoses, medications, and appointments. The goal is to support data-driven decision-making in healthcare settings.



SKILLS GAINED

- Proficient in SQL Joins (Inner, Left, Right, Full)
- Use of aggregate and window functions
- Writing subqueries and using CASE for logic
- Analyzing date/time data with DATEDIFF(), etc.
- Experience with real-world healthcare analytics



SKILLS GAINED

TITLE: SKILLS TAKEAWAY

BULLET POINTS:

PROFICIENT IN SQL JOINS (INNER, LEFT, RIGHT, FULL)

USE OF AGGREGATE AND WINDOW FUNCTIONS

WRITING SUBQUERIES AND USING CASE FOR LOGIC

ANALYZING DATE/TIME DATA WITH DATEDIFF(), ETC.

EXPERIENCE WITH REAL-WORLD HEALTHCARE ANALYTICS

OBJECTIVE

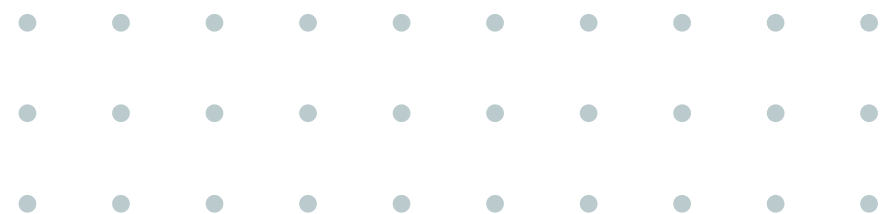
OBJECTIVE:

THE OBJECTIVE IS TO EXTRACT, CLEAN, AND ANALYZE HEALTHCARE DATA FROM MULTIPLE TABLES USING SQL TO GENERATE INSIGHTS ON PATIENTS, DOCTORS, DIAGNOSES, MEDICATIONS, AND APPOINTMENTS. THE GOAL IS TO SUPPORT DATA-DRIVEN DECISION-MAKING IN HEALTHCARE SETTINGS.

MEET OUR FOUNDER

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Aaron Loeb
Founder



01.

PROBLEM VS SOLUTION

Liceria & Co.

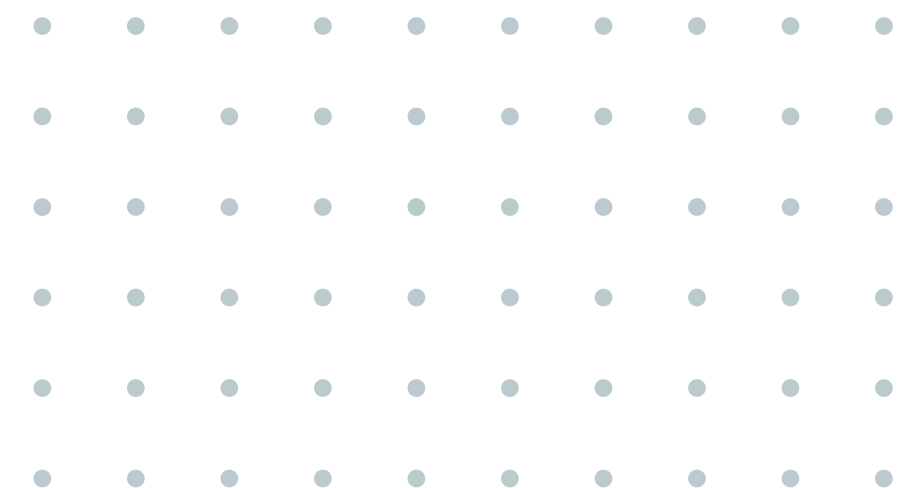


PROBLEM

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SOLUTION

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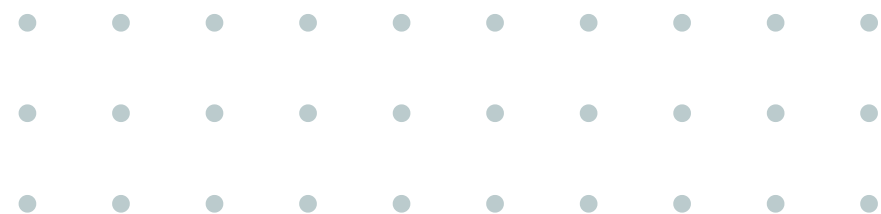
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PRODUCT

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Our Product

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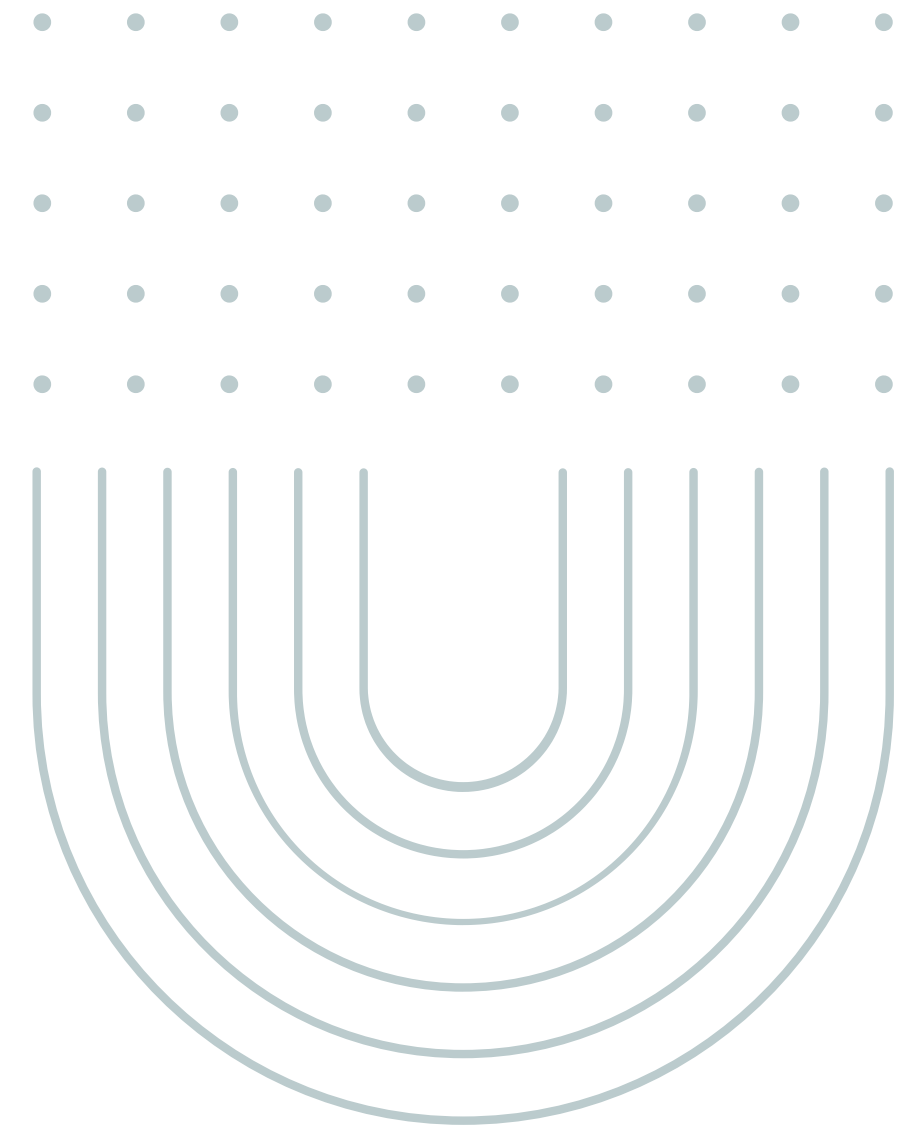
Website

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Mobile Application

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OUR PRODUCT



**"JUST KEEP
MOVING
FORWARD."**



03.

MARKET ANALYSIS

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OUR MARKET



35%

AMERICA

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EUROPE

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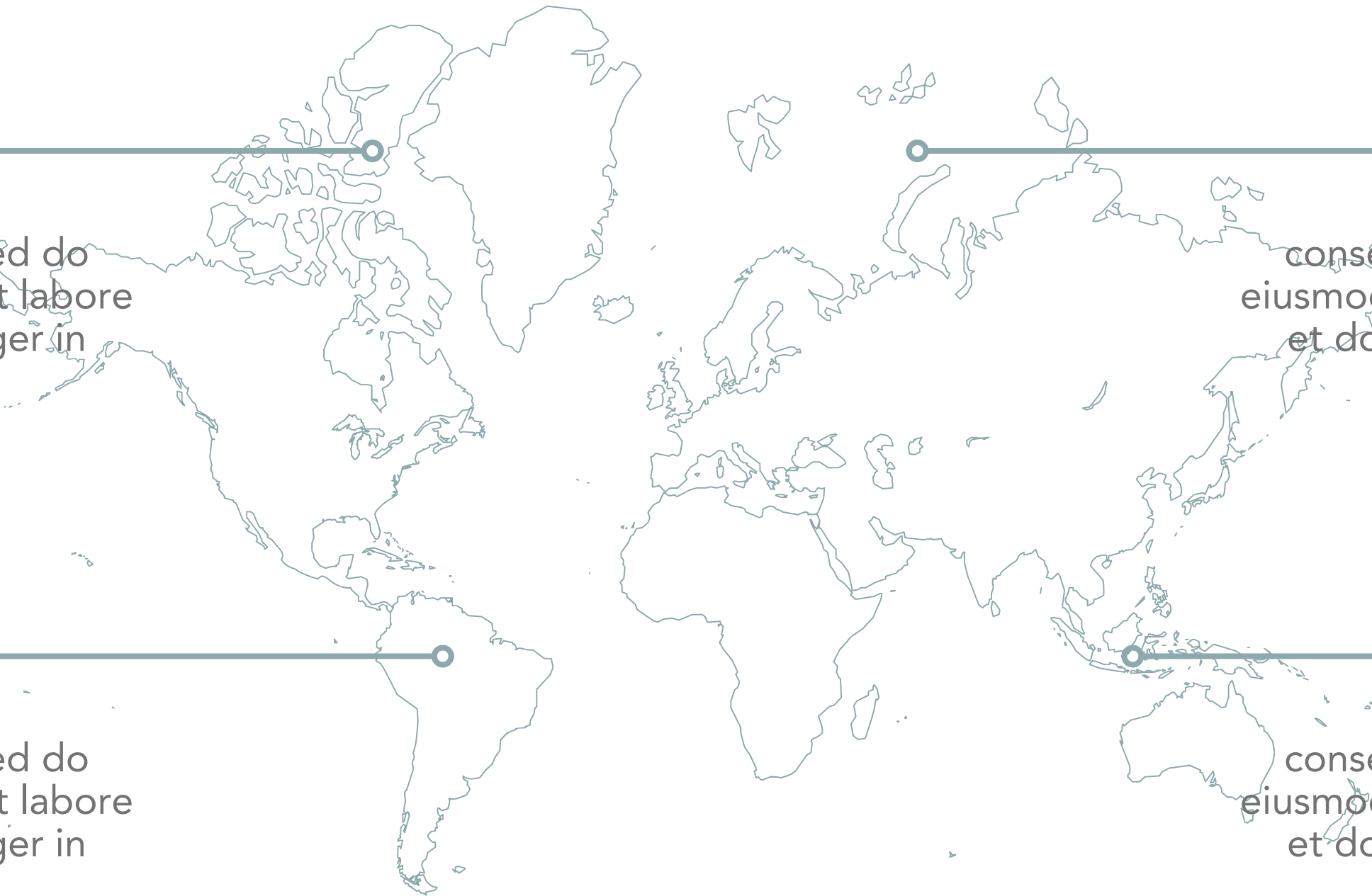
AFRICA

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PEOPLE

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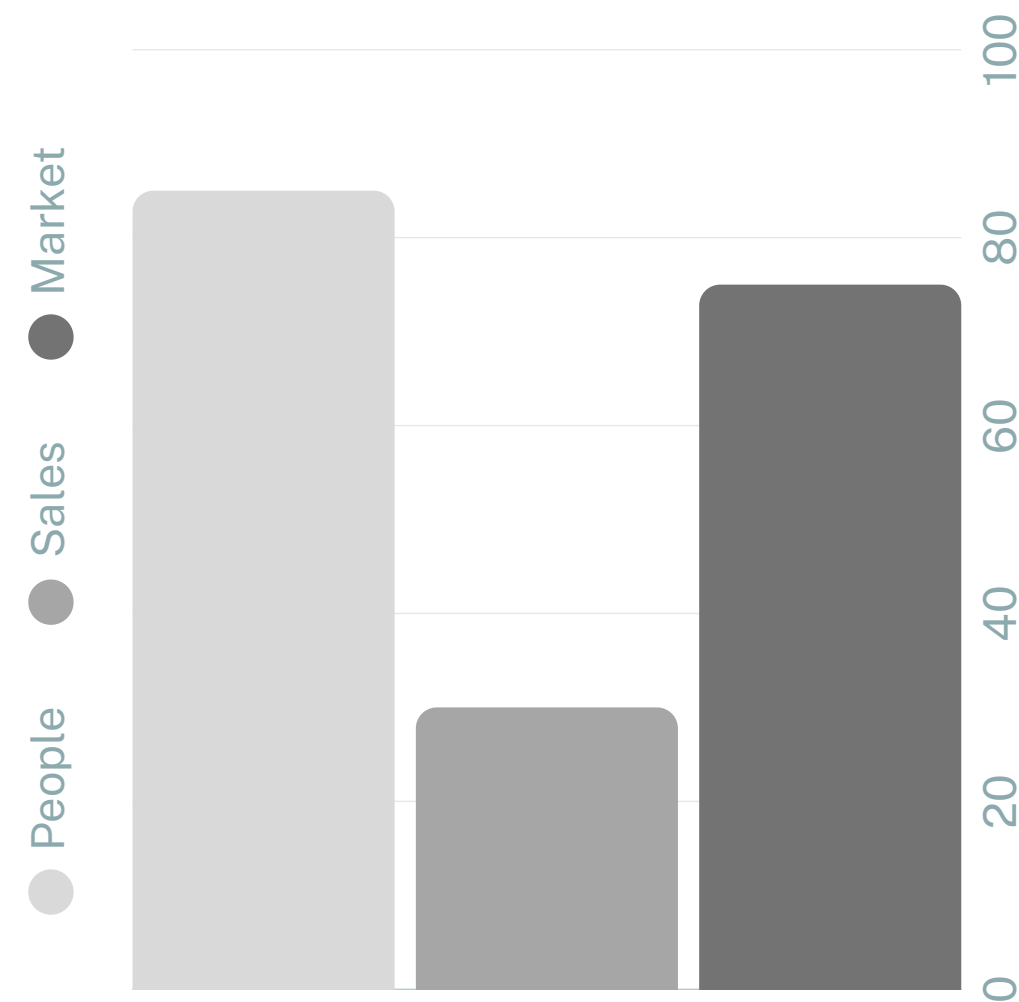
SALES

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MARKET

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STATISTICS



458K

People use our product

\$752,000

Total revenue in 2022

86%

Market share in global

03.

BUSINESS MODEL

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OUR STRATEGY

Goal

Marketing

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Online

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Offline

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Partnership

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Brands

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Affiliates

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STRENGTHS

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OPPORTUNITIES



WEAKNESSES

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THREATS



PRICING TABLE

BASIC

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\$100

PRO

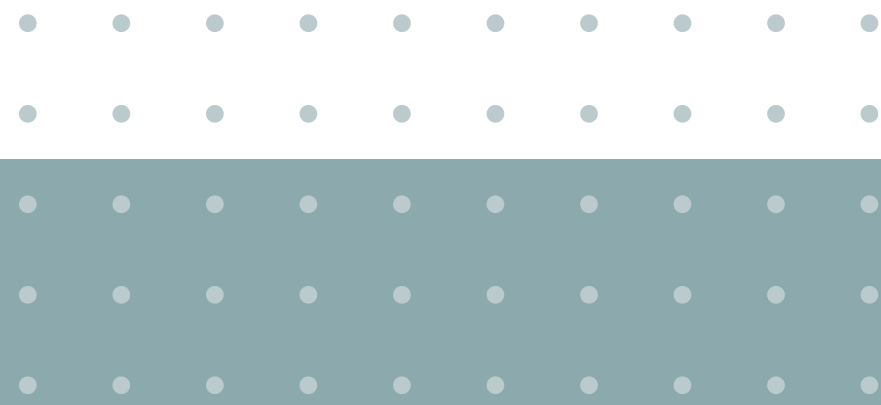
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\$250

PREMIUM

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\$500



THANK YOU

Do you have any question?

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