

# HEALTHCARE ANALYTICS WITH SQL

*Advanced Data Analysis for Healthcare Operations*

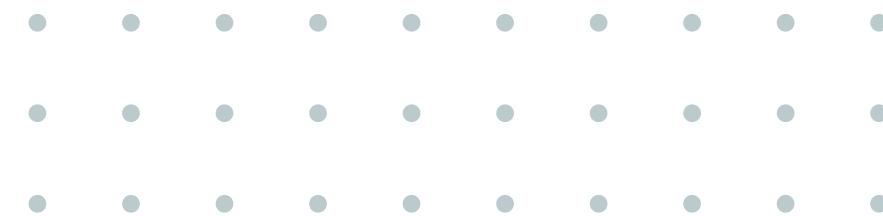
Vijayaperumal  
Soundrapandian

# PROJECT OVERVIEW

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

**TOOLS** - MYSQL (WORKBENCH)  
**USED**

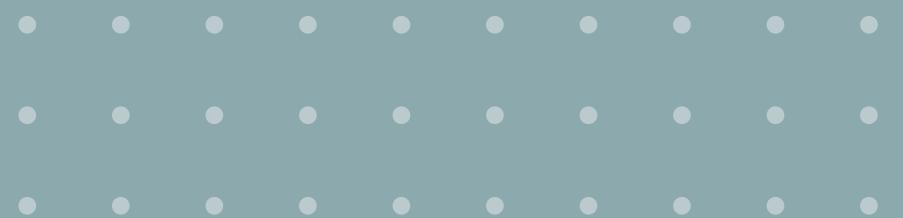
**SCOPE** - APPLY ADVANCED SQL  
TECHNIQUES TO DERIVE INSIGHTS





# INTRODUCTION

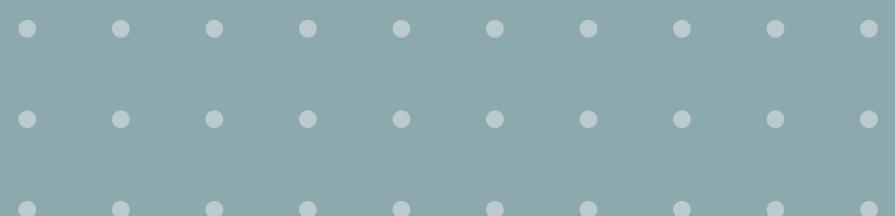
Healthcare Analytics is a data-driven domain focused on improving patient care, clinical decision-making, and hospital operations. It involves analyzing patient records, diagnoses, treatment plans, and outcomes to derive actionable insights. SQL plays a key role in querying and transforming structured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

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**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**

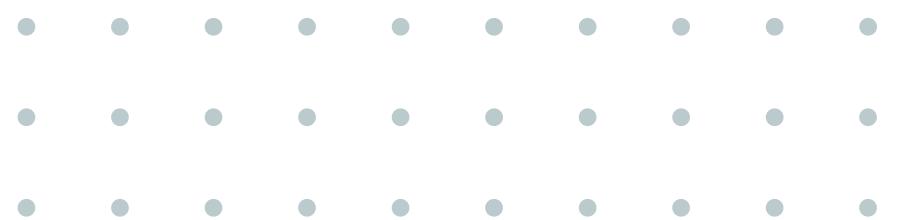
**OBJECTIVE**  
**OBJECTIVE:**

**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



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# PROBLEM VS SOLUTION

*Liceria & Co.*

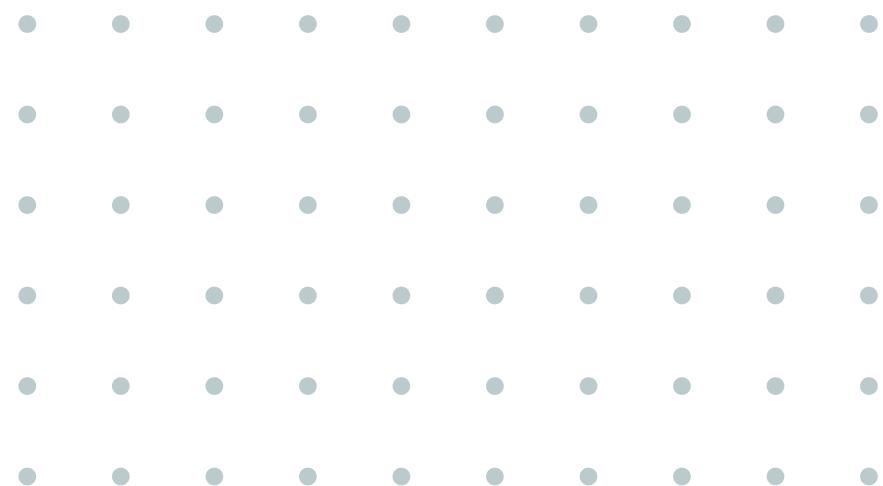


# PROBLEM

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# SOLUTION

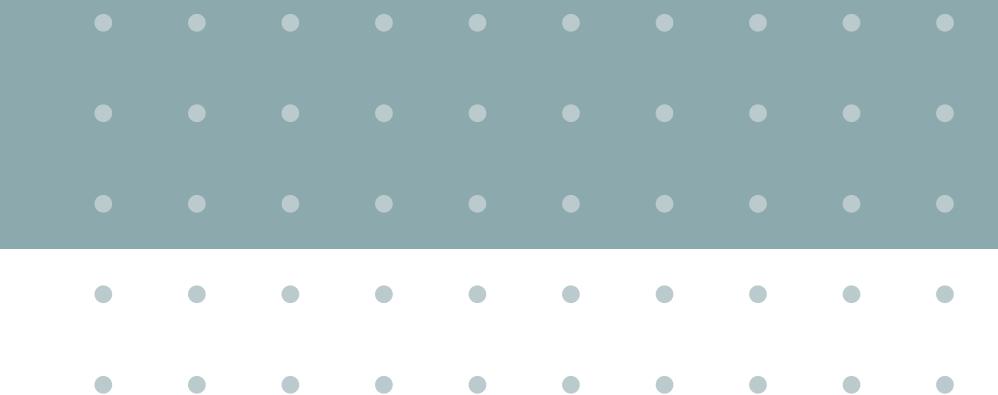
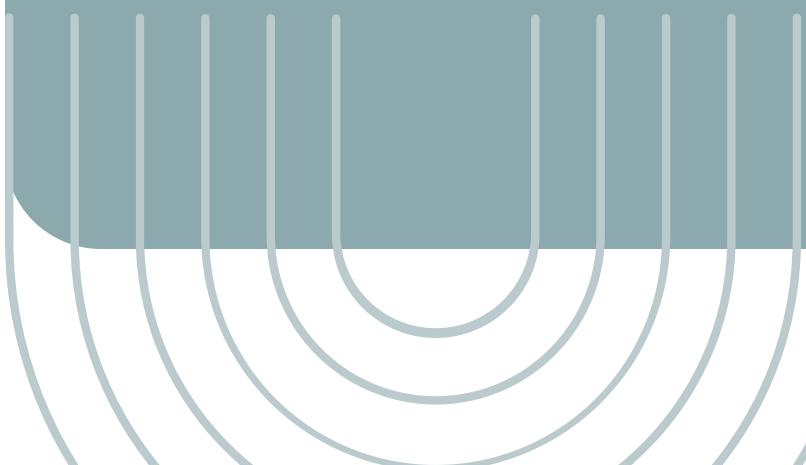
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# PRODUCT

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# Our Product

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# OUR PRODUCT



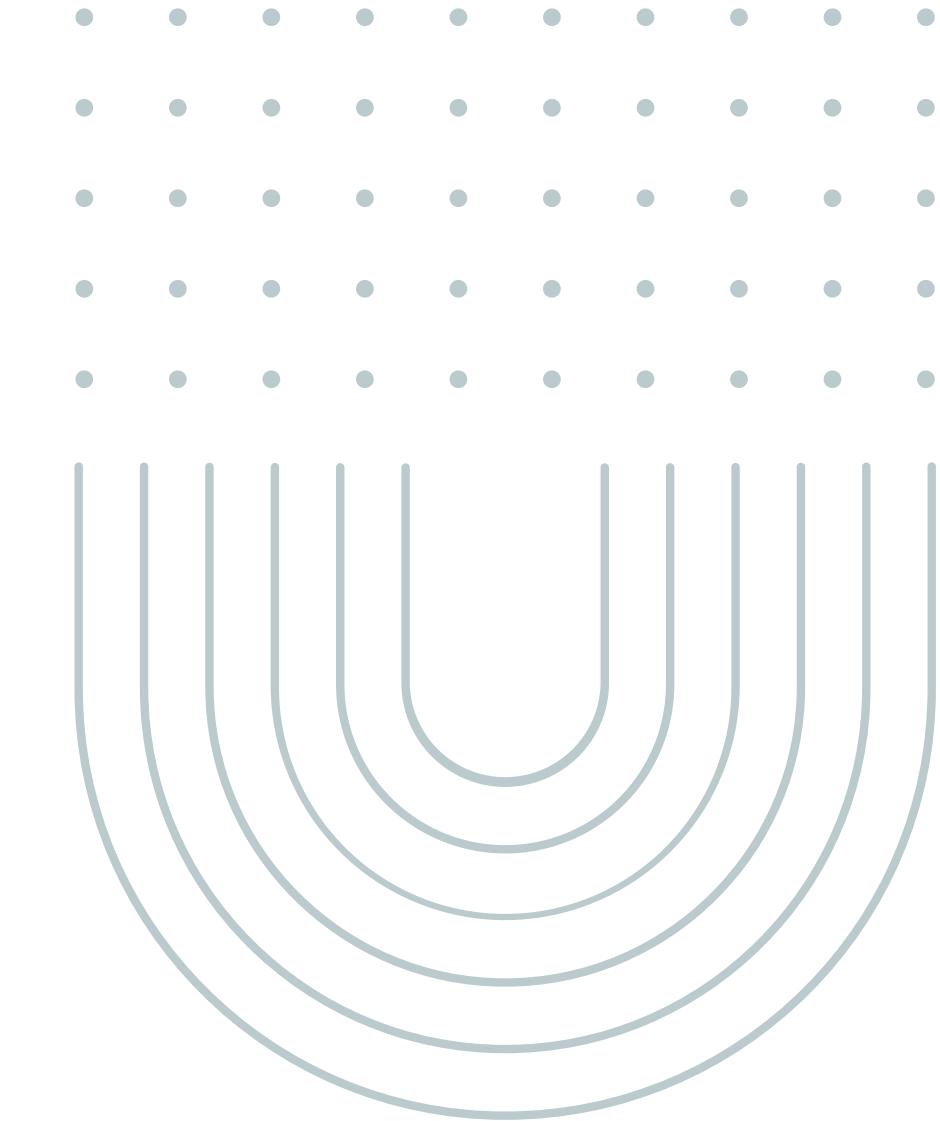
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## Mobile Application

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“JUST KEEP  
MOVING  
FORWARD.”



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# MARKET ANALYSIS

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# OUR MARKET

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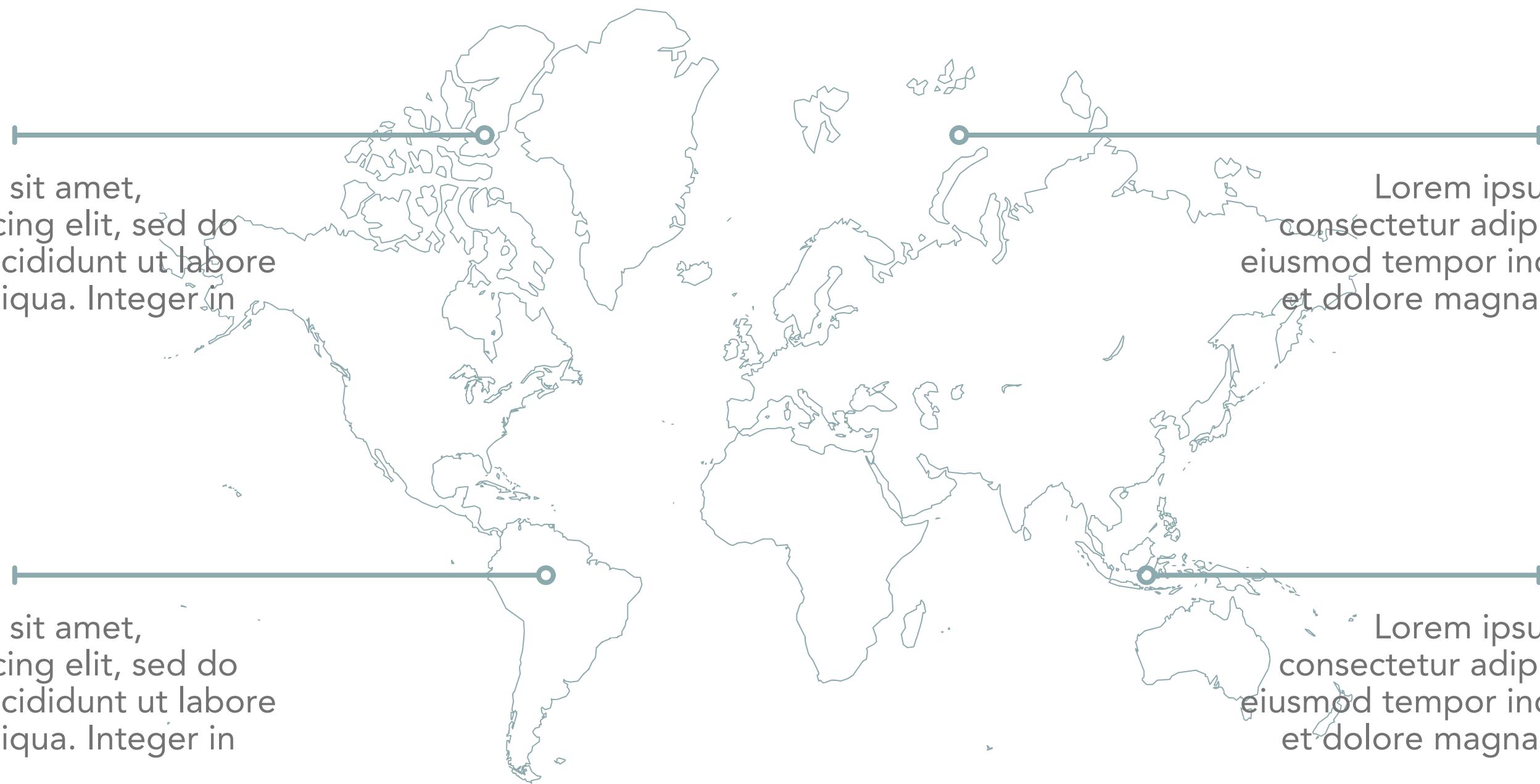
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# STATISTICS

## PEOPLE

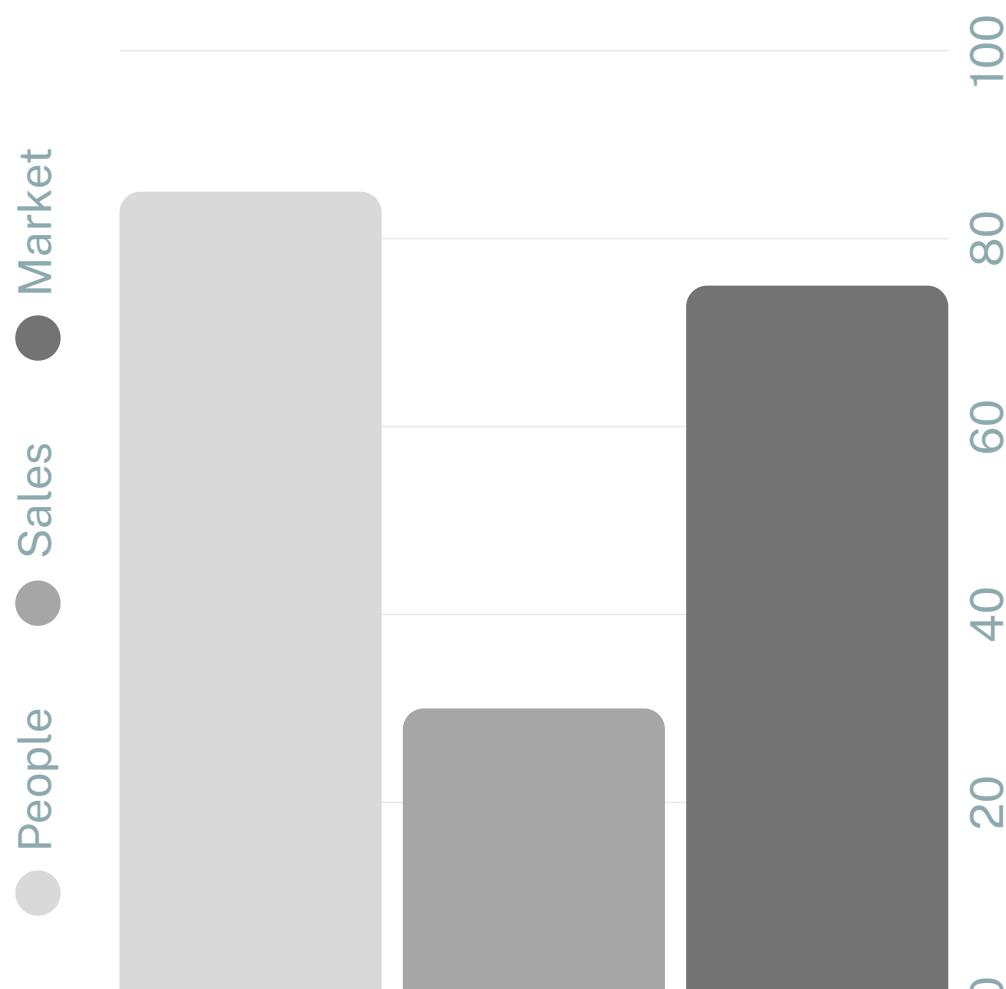
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## SALES

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## MARKET

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**458K**

People use our product

**\$752,000**

Total revenue in 2022

**86%**

Market share in global

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# 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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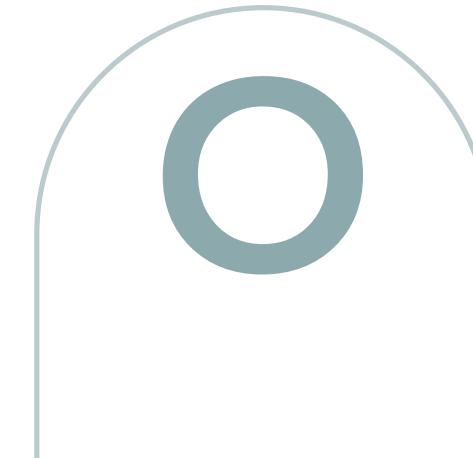
## STRENGTHS

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## WEAKNESSES

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## OPPORTUNITIES

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## THREATS

# PRICING TABLE

## BASIC

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## PREMIUM

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# THANK YOU

Do you have any question?

+123-456-7890

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[www.reallygreatsite.com](http://www.reallygreatsite.com)