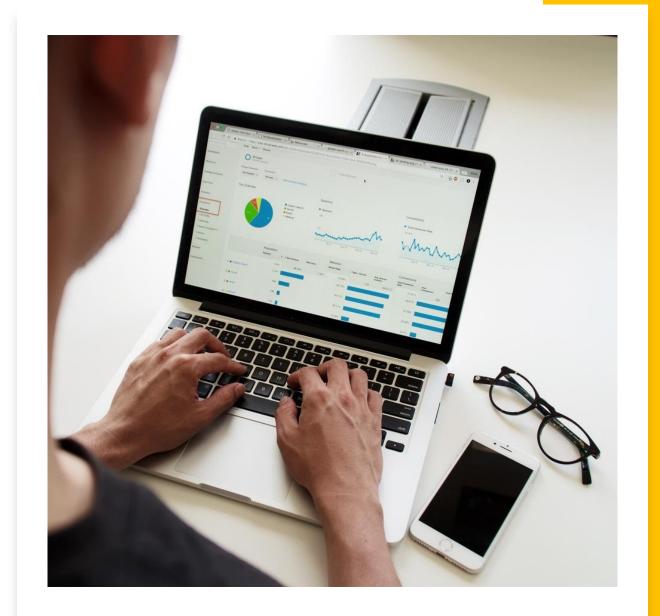# Oasis Data Solutions

Data Cleaning Case Study

ABOUT US

- **Oasis Data Solution**, a pioneering data consulting firm. We specialize in transforming data landscapes through meticulous cleaning, insightful analysis, compelling visualization, and strategic recommendations. Our seasoned team is dedicated to enhancing decision-making processes by converting raw data into actionable insights.

- At **Oasis Data Solution**, precision and innovation converge to unlock the full potential of your data. We are your trusted ally in the journey where data clarity meets strategic brilliance

Project Background

As a Junior Data Scientist at **Oasis Data Solution**, working alongside experienced Senior Data Scientist in the company assisting with data cleaning, data analysis, data modeling etc.

You have been required by your Team Lead to work on a client project. The client's dataset is messy, with errors, missing info, and duplicates causing analysis hurdles.

The problem involves identifying and rectifying errors, filling in missing data points, and removing redundant information.

The goal is straightforward – making the data cleaner for accurate analysis. This effort is crucial to ensure that the dataset serves as a reliable foundation for decision-making, aligning with our commitment to delivering precise and dependable insights at **Oasis Data Solutions**.

Aim of the Project

- Clean the data and make it usable for further analysis
- Calculate the overall revenue, cost, and profit

- Determine the average revenue, average cost

  and average profit
- Determine the profit margin of each of the company
- What is the proportion of each company's revenue to the total revenue of the entire company revenue in the dataset, expressed as a percentage
- Determine the tax payable by each company. Assume tax rate of 30%

Basic Functions for Data Cleaning

Text to column

Trim function

Substitute function

Remove duplicates

Flash fill

Proper, Upper and Lower function

Find and replace function

Paste special