
Case Study
Data Analyst Intern
- Finance
FINN

Case Study

Show us how you would approach the following tasks!

Evaluation Criteria

- SQL best practices
- Correctness: does your SQL query result in the required output format?
- Documentation: Does your documentation allow to easily follow your SQL query and understand its functionality?

1 SQL

Our engineering team revamped FINN's Fleet Database structure. For a meeting with investors you are tasked to retrieve information for our Head of Fleet Intelligence.

The new ERM can be found in the attached pdf.

Your Task (SQL Code):

- Write a query that returns the number of vehicles acquired per remarketing partner.
    - Each partner_name should be listed in a separate row
    - **In a next step** you should filter only for vehicles are arriving next month.
    - **In a next step** rank all remarketing partner by the number of vehicles acquired.

- Fleet provides images for FINN's website. User acquisition reports that images for a certain number of vehicles are missing. Write a query that returns:
    - a list of all active vehicles for which images are missing
    - as well as the number of active vehicles (finn_car_ids) per configuration

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2 Hands-On Analytics

We have a lot of payment data and want to have a look at how reliable our customers are in terms of paying their bills. Also we want to understand our customer base better and use this information to reduce default rates in the future.

Your task:

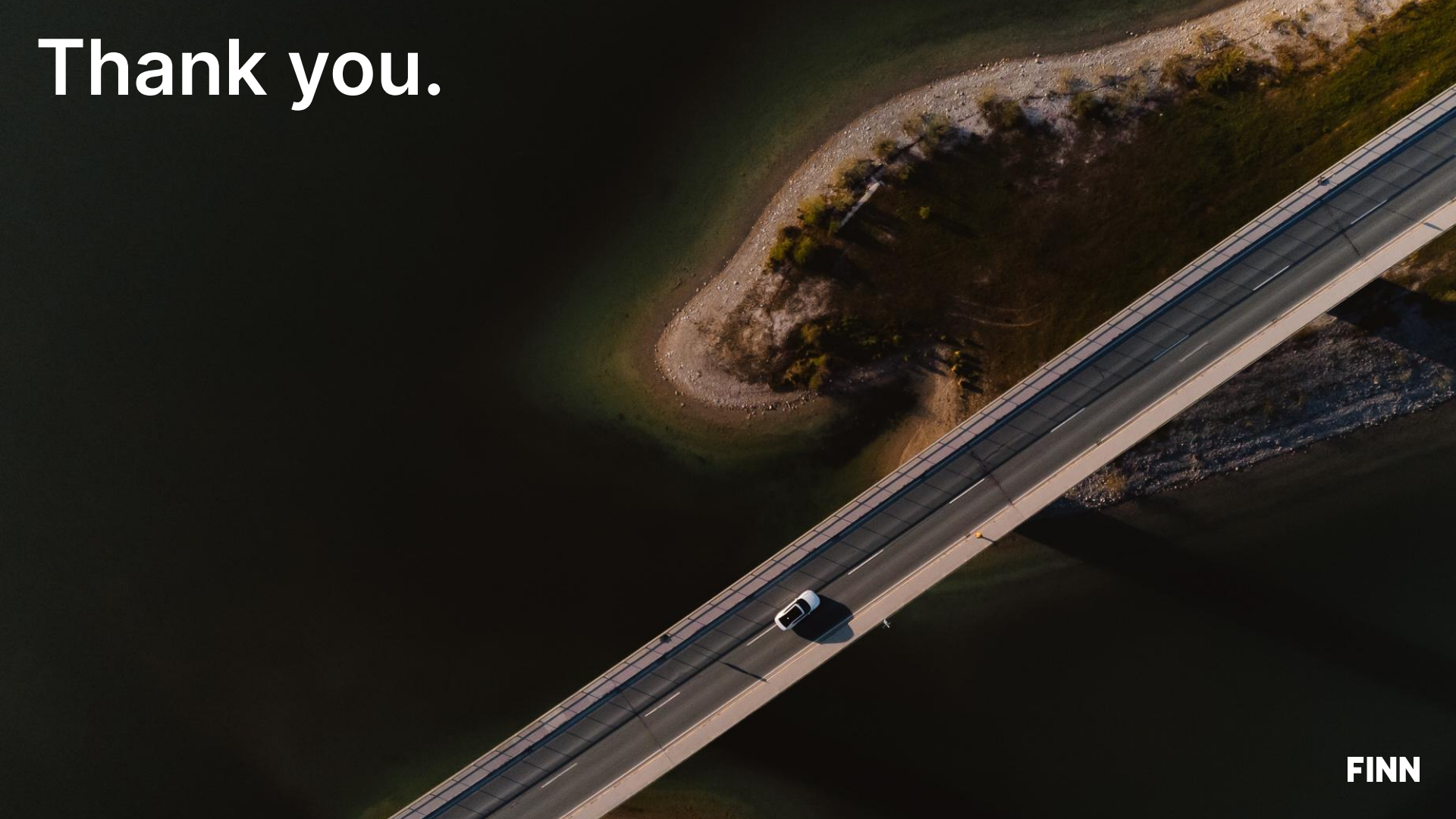
With the data attached, answer the following questions:

- What is the share of invoices with a delayed payment per month?
- What is the main driver of these delayed payments?
- Use customer data of your choice to analyze customers who are more likely pay late (or not pay at all) and make suggestions about how to use the insights you gained.

Assumptions:

Delayed Payments: Invoice paid after the due date or not paid at all.

Thank you.



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