

# AUTOINLAND VEHICLE INSURANCE CLAIM

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Predicting if a client will submit a  
vehicle insurance claim in the next 3  
months



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# TEAM 15

# AGENDA

Problem statement  
Approach  
Insights on Data  
Model training & Results  
Challenges faced  
Conclusion  
Q&A

**TODAY'S  
HIGHLIGHTS**

**TIME  
TO  
TAKE  
ACTION**

# PROBLEM STATEMENT

**TIME  
TO  
TAKE  
ACTION**





**AutoInland**, an insurance company in West Africa, intends to make every one of the few points of contact with customers count; the most valuable being the filing and settlement of claims.

**The aim of this project** was to develop a predictive model that determines the probability of a customer submitting a claim within the next three months allowing AutoInland to better manage its resources while maintaining high customer satisfaction levels.





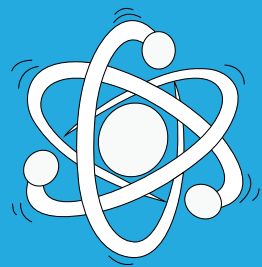
Data Exploration



Data Cleaning



Data Analysis



Modeling

# APPROACH USED

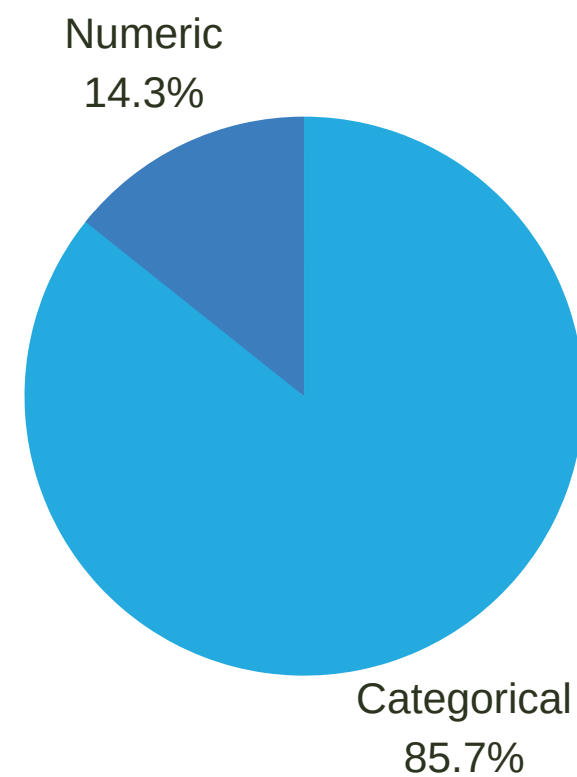
A grayscale photograph of a desk setup. On the left, there is a small potted plant with many small leaves. Next to it is a laptop. In the foreground, there is a notebook with a drawing of an umbrella and the word "GRANCE" partially visible. The right half of the image is a solid blue background.

# INSIGHTS ON DATA

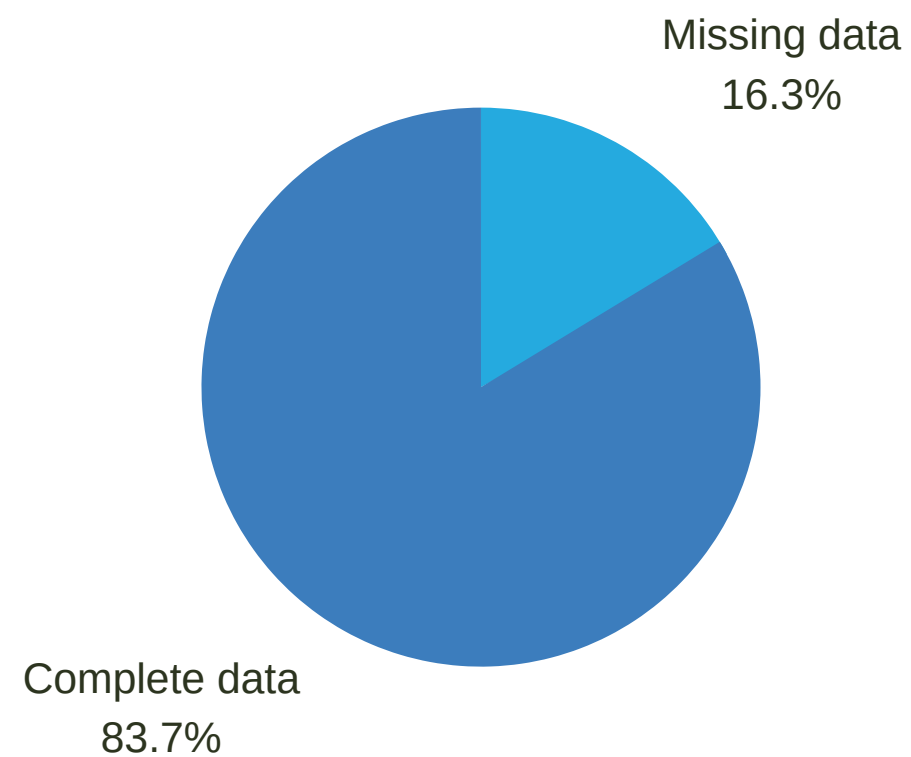
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What are some interesting things we  
found oin our data?

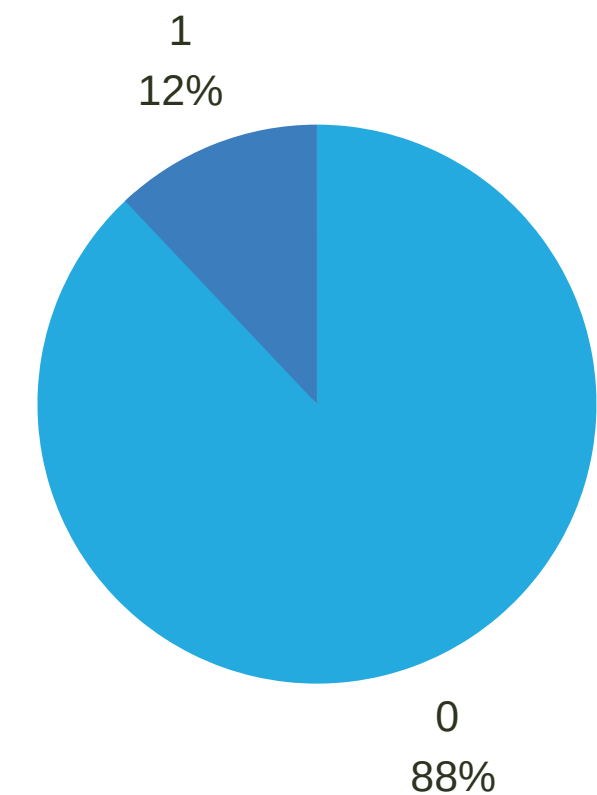
# DATASET STATISTICS



TYPE OF DATA



MISSING DATA



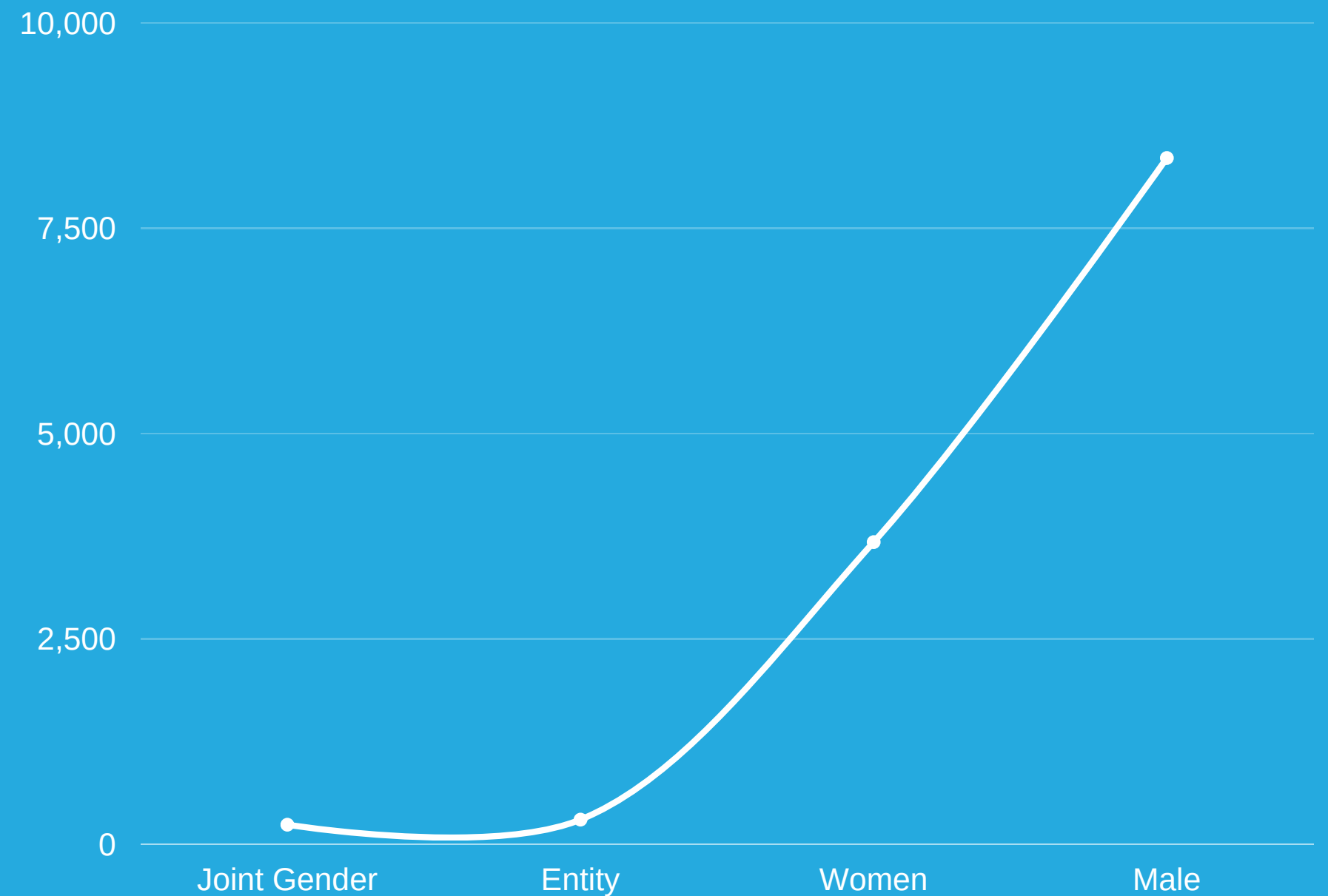
TARGET  
DISTRIBUTION



# GENDER DISTRIBUTION

From our data, we found  
that most of the clients were  
Male

STARTING EARLY HAS THE  
MOST BENEFITS

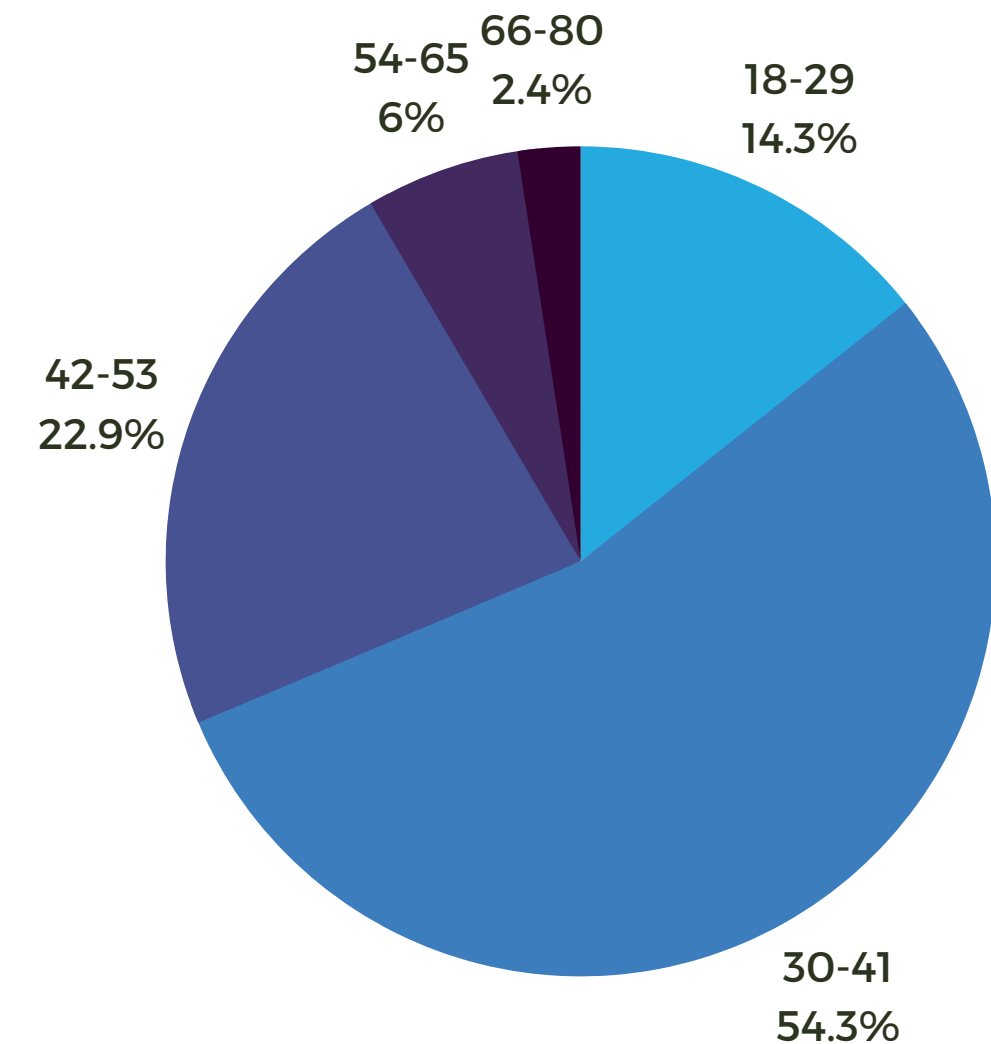




# RELATIONSHIP BETWEEN AGE AND INSURANCE CLAIMS

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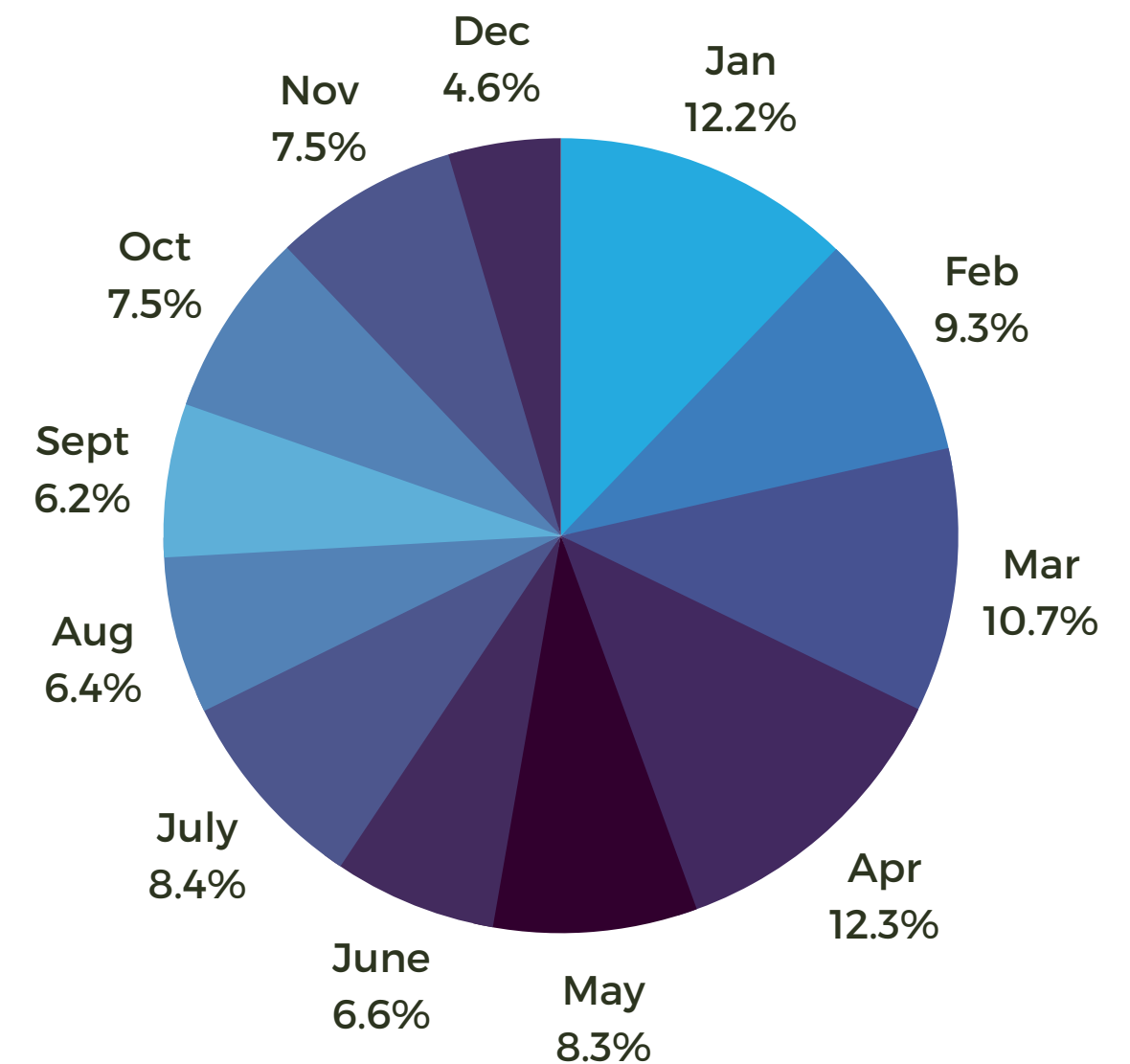
Most people who make insurance claims are aged 30 to 41.



# RELATIONSHIP BETWEEN TIME AND INSURANCE CLAIMS

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Most people who make insurance claims tend to do this at the beginning of the year



# MODEL TRAINING & RESULTS

What are some of the models we used and results we got?

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# SHOW US THE CODE: DEMO TIME



Okay letssgooo!

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# CHALLENGES FACED

What are some of the challenges met?





**FINANCIAL INSPIRATION:**

Savings alone are not enough to  
achieve financial freedom;  
insuring your assets with general  
insurance policies is equally  
important.

– IFFCO-TOKIO



# Q&A

PICK OUR MINDS