

# PREDICTING THE NFL GAME WINNER

Group 1

**FINAL PROJECT**





# AGENDA



- Topic Discussion
- Technologies Used
- Questions to be Answered
- Data Discussion
- Model Discussion
- Data Visualization
- Questions

# TECHNOLOGIES USED

- Open ML
  - Data Source
- Quick DBD
  - ERD Diagram Creation
- Python
  - Data Cleaning
  - Machine Modeling
- AWS
  - Server
- PG Admin
  - SQL



# QUESTION WE WILL BE ANSWERING

What 3 key metrics a team needs to meet to be the winner of NFL game



DATA DISCUSSION

# NFL GAME STATICS FROM ESPN FROM 2002 TO 2022 SEASON

FOCUS ON THE 3 STATICS



1

Point Scored

2

Turnovers

3

Time Of Possession

# DATA EXPLORATION

## CLEANING DATA

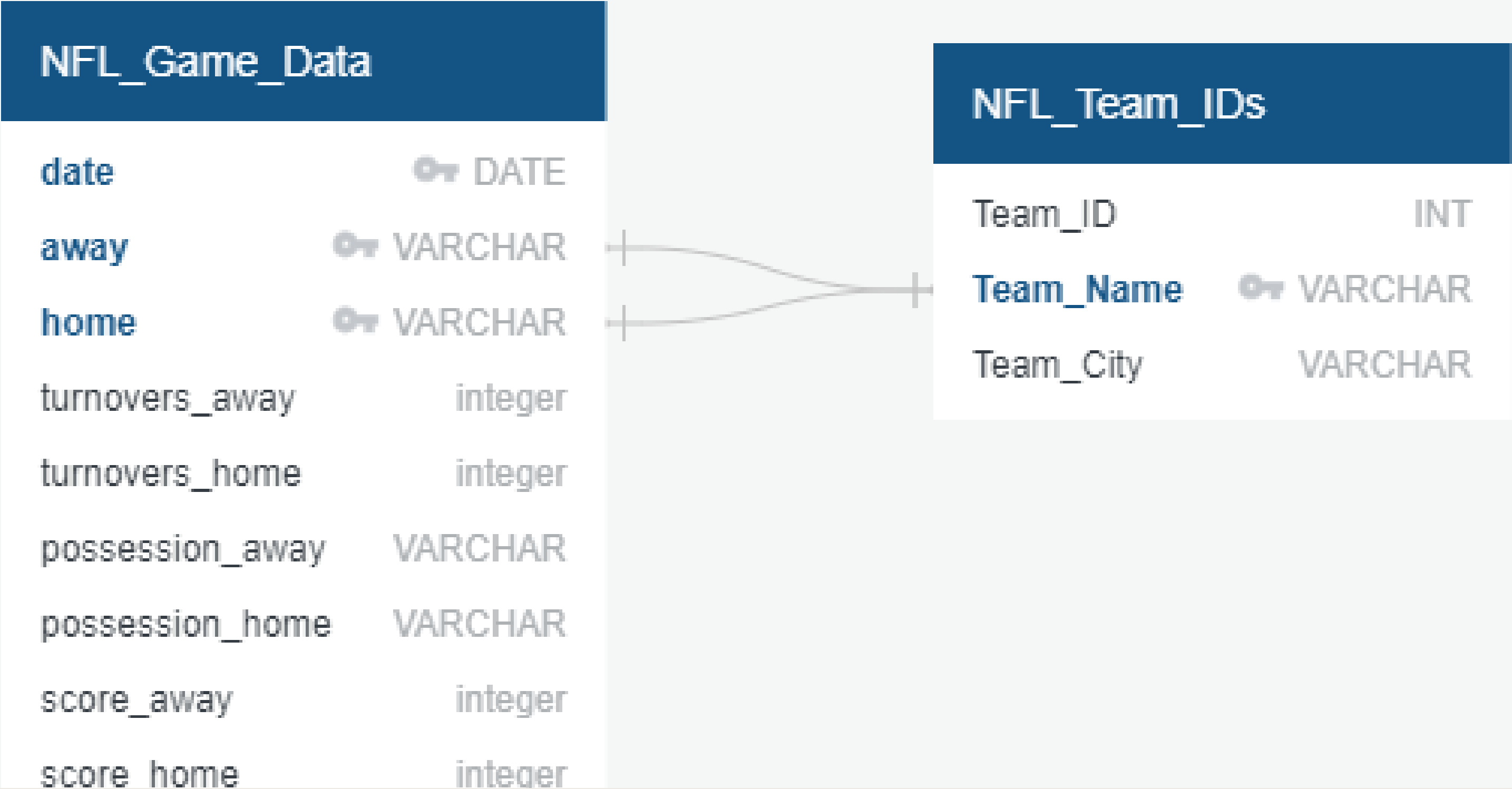
Cleaning Data

Only keeping needed columns

Creating our own table



# EDR DIAGRAM



# PROJECT ANALYSIS PHASE





# MODEL DISCUSSION

The Ability to Predict The winner



## Resources

DATA



## Technology

Machine Learning



## Service

Resuy

**WAS THE MODEL  
SUCESSFUL?**

---

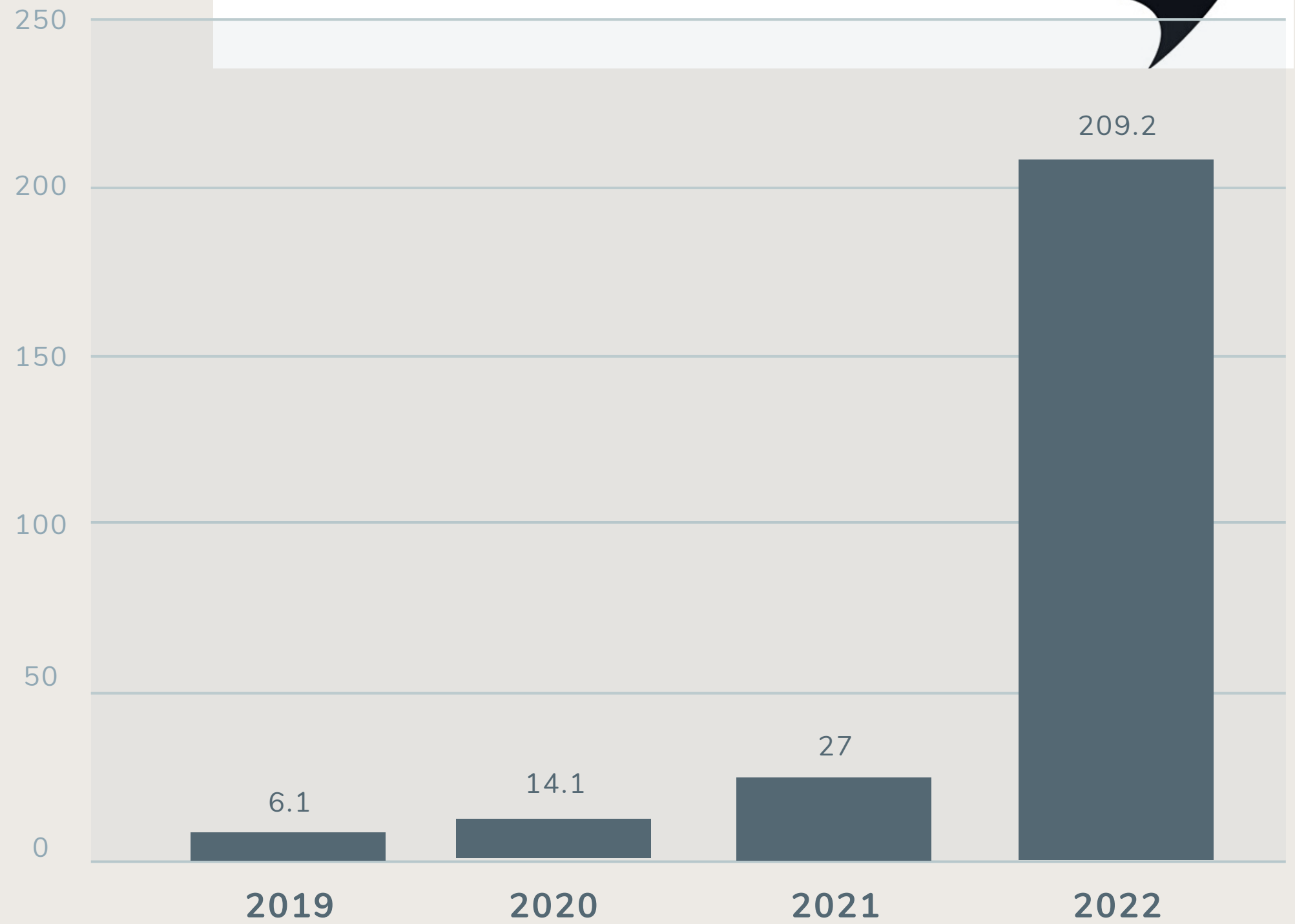
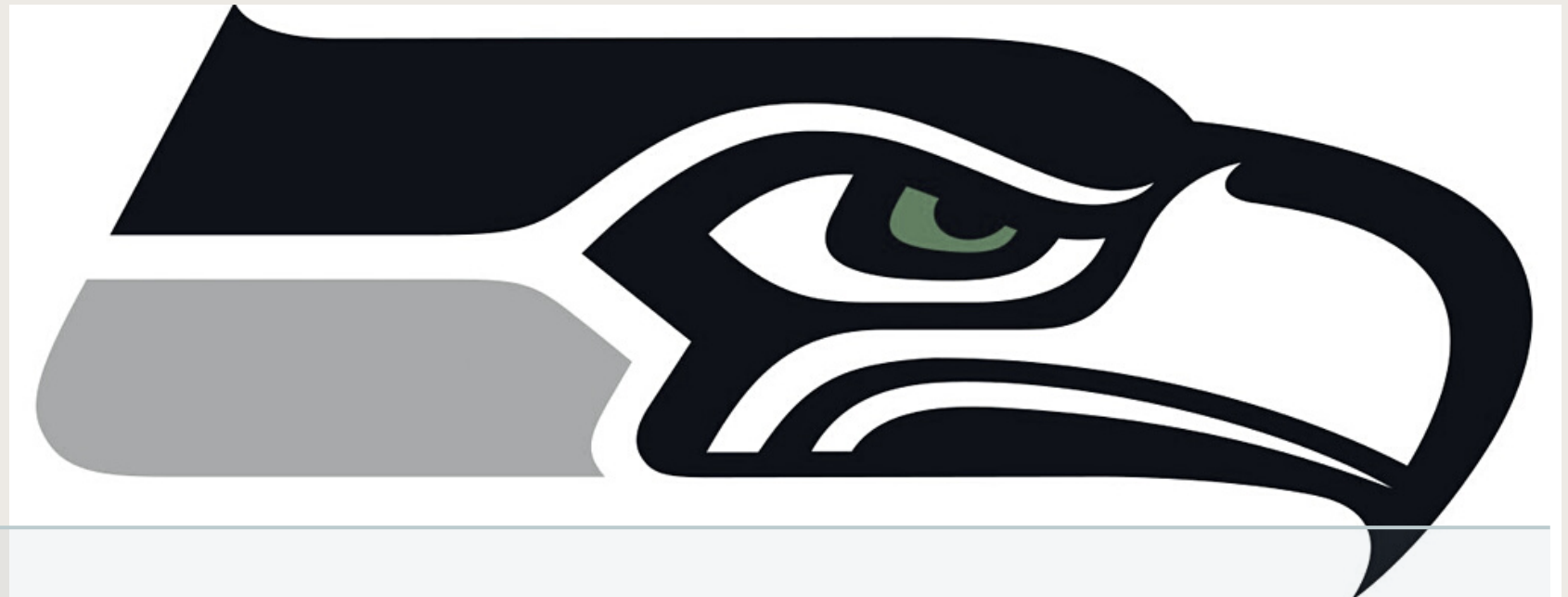


**OTHER MODEL ONE  
COULD USE ?**





# DATA VISUALAIZATION USED



# OUR TEAM



Samuel  
Kuczynski



Samuel  
Aboma



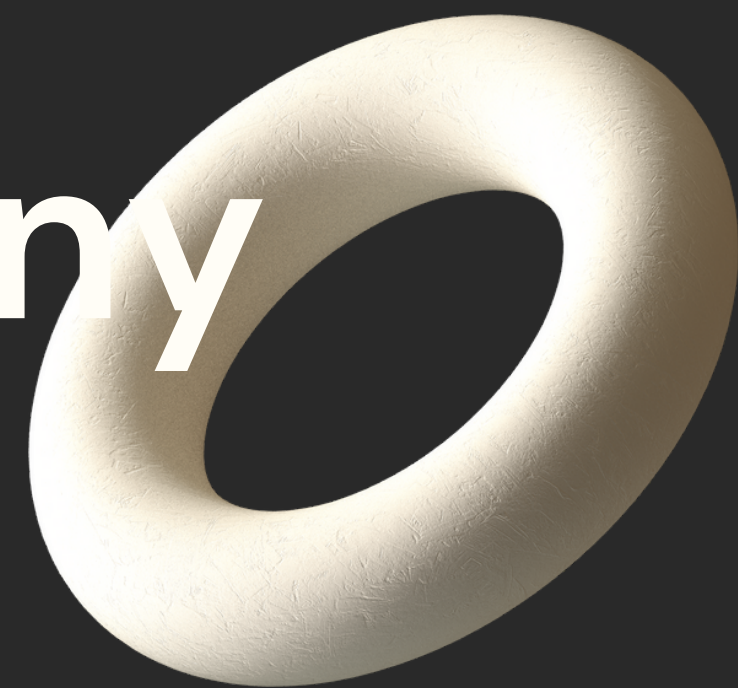
Felipe  
Serrano



Vytas  
Stuopis



Do you have any  
questions?



We hope you learned something new.