# **Data Bootcamp Final Project Presentation** Credit Card Customers Churn/Attrition **Analysis**







## **ABOUT ME**



My name is Suzanne. In a nutshell, I am a wife and mum of 2.



Finance and Accounting Bsc
Work experience in banking and
financial sectors



Why data?

Career longevity in the tech industry

Job flexibility

Career progression and better salary.







# MY PROJECT - OBJECTIVES

For this project, coming from a financial background, I chose to analyse the credit card customers attrition rate. The dataset is from Kaggle.

To analyse this, I had 4 points of focus:

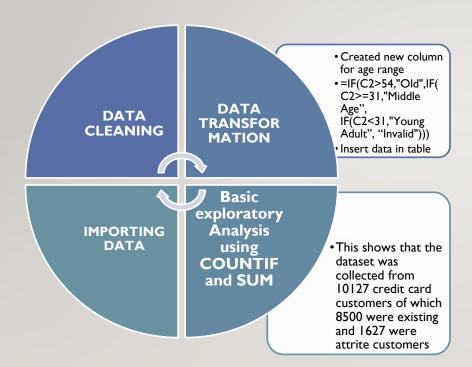
- Which customers are leaving?
- Why are they leaving?
- Which customers are likely to leave shortly?
- What can we do to reduce customers attrition rate?







## **EXCEL FINDINGS**



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CLIENTNUM	Total_Customers	Customer_Age	Age_Range	Gender
768805383	<b>Existing Customer</b>	45	Middle Age	Male
818770008	<b>Existing Customer</b>	49	Middle Age	Female
713982108	<b>Existing Customer</b>	51	Middle Age	Male
769911858	<b>Existing Customer</b>	40	Middle Age	Female
709106358	<b>Existing Customer</b>	40	Middle Age	Male
713061558	<b>Existing Customer</b>	44	Middle Age	Male
810347208	Existing Customer	51	Middle Age	Male
818906208	<b>Existing Customer</b>	32	Middle Age	Male
710930508	<b>Existing Customer</b>	37	Middle Age	Male
719661558	<b>Existing Customer</b>	48	Middle Age	Male
708790833	<b>Existing Customer</b>	42	Middle Age	Male
710821833	<b>Existing Customer</b>	65	Old	Male
710599683	<b>Existing Customer</b>	56	Old	Male
816082233	<b>Existing Customer</b>	35	Middle Age	Male
712396908	<b>Existing Customer</b>	57	Old	Female
714885258	<b>Existing Customer</b>	44	Middle Age	Male
709967358	<b>Existing Customer</b>	48	Middle Age	Male
753327333	<b>Existing Customer</b>	41	Middle Age	Male
806160108	<b>Existing Customer</b>	61	Old	Male







### **SQL ANALYSIS**

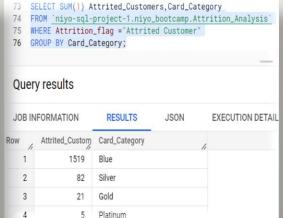
Used COUNT and WHERE to get total customers in data and total attrite customers

Used SUM, WHERE and GROUP BY to analyse attrition rate by each segments



Used CASEWHEN and GROUP BY to create new category to analyse attrite and existing with most relevant segments





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149		ROUP BY Income									
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155 Qu	ery B INI	y results FORMATION	ategory);	JSON		N DETAI	ttrited_to	EXEC	CUTI	ON GRAF	PH PRE







#### **DASHBOARD**

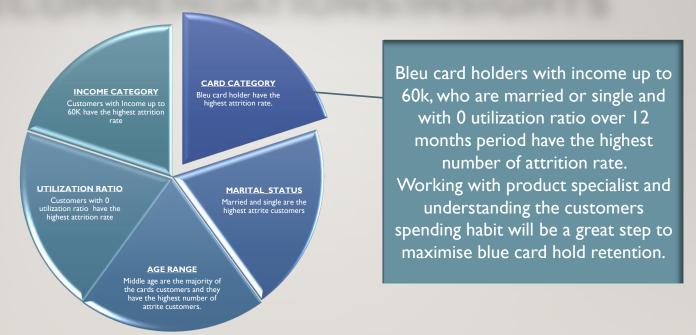








#### **RECOMMENDATIONS/INSIGHTS**









#### CHALLENGES AND SOLUTIONS

Choosing the right tools.

Understanding the data terminology.



Understanding syntax errors in SQL



#### **Solutions**

Google and LinkedIn research.

Collaborating with colleagues and tutors when unsure.







#### **CONCLUSION AND KEY LEARNINGS**

#### Education

#### Learnt

- Advanced Excel
- SQL and Python
- PowerBI and Tableau
- Project management principles

# Personally

- A massive sense of gratitude for this opportunity.
- I have tenacity
- Being okay that I won't learn everything at once and that the end of bootcamp is not the end of learning, it is only the beginning of my career development.

#### Career-wise

- I am equipped with skills and knowledge required to work as a Junior data analyst and I am looking forward to getting into the world of data.
- Studying to get the google data certification.
- Continue with job search





