# Bank Marketing

A detailed review of campaign effectiveness



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# Introduction

- Analyzed the effectiveness of a marketing campaign focused
- Examined the relationship between customer subscription rates and various attributes

# Methodology

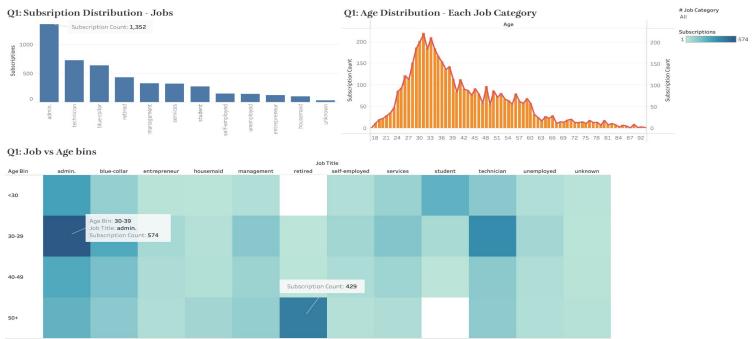
- MySQL as main data query tool
- Managed Visualization in Tableau
- Leveraged statistical methods to analyze key attributes
- EDAs





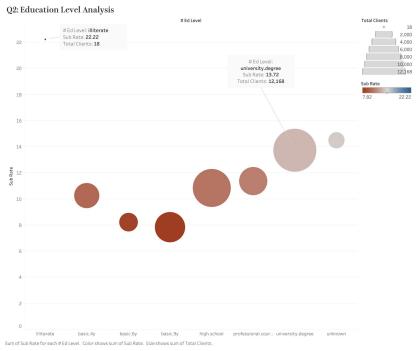


### What is the distribution of term deposit subscriptions across different job categories and how does age factor into this?

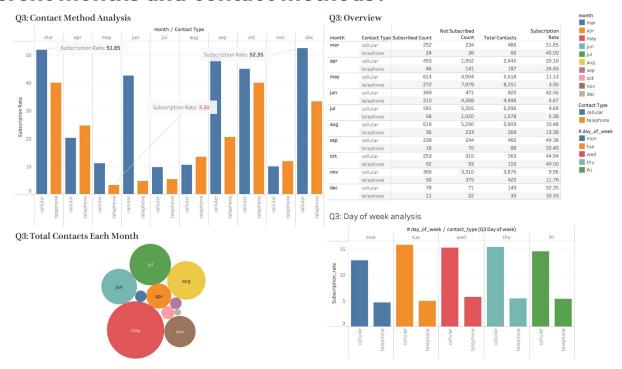




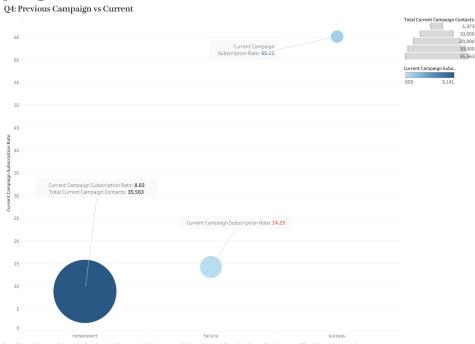
#### How does the level of education influence a client's decision to subscribe to a term deposit?



#### What patterns emerge in term deposit subscriptions with respect to different months and contact methods?



## Does the outcome of previous marketing campaigns correlate with the current campaign's success rate?

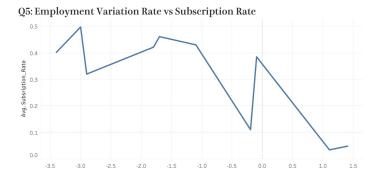


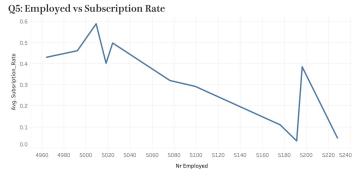
Sum of Current Campaign Subscription Rate for each # Poutcome. Color shows sum of Current Campaign Subscribed Count. Size shows sum of Total Current Campaign Contacts.



## How do key economic indicators like the employment rate and consumer confidence index affect the propensity for subscribing to term deposits?

Index	Correlation
Employment Variation Rate	-0.3
Consumer Price Index	-0.14
Consumer Confidence Index	0.05
Euribor 3-month Rate	-0.31
Number Of Employed	-0.35







#### Is there a notable difference in subscription rates among different marital statuses?

#### Q6: Marital Status vs Subscription Rate

# Marital Status	
divorced	10.321
married	10.157
single	14.004
unknown	15.000

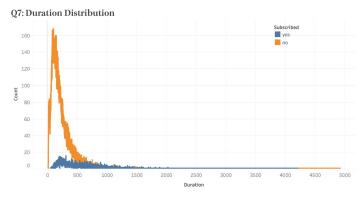
Sum of Subscription Rate broken down by # Marital Status.

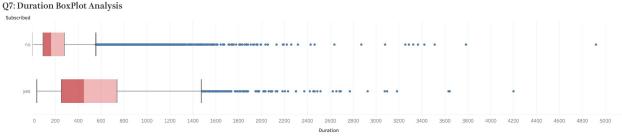




# What is the typical duration of successful marketing calls compared to those that do not result in a subscription?

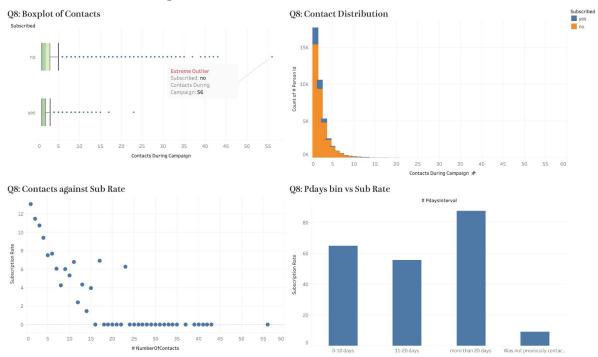
# Subscribed	Average Call Duration	Max Duration In Group	Min Duration In Group	Stddev Duration
no	221	4,918	0	207
yes	553	4,199	37	403







#### How does the frequency of contact in the current campaign impact the likelihood of subscription?





#### Conclusions

- Target younger administrators
- Focus on university graduates and tailor campaigns for others.
- Utilize cellular contacts effectively.
- Differentiate engagement strategies for previously contacted versus new clients.
- Adjust messaging based on economic conditions.
- Develop campaigns specific to marital status, with a focus on single clients.
- Optimize call center performance.
- Minimize follow-up contacts.





