Introduction

About USAA:

Established in 1922, USAA is a leading provider of insurance, banking, and financial services to over 13 million United States military members, veterans, and their families. Their mission is to empower their members to achieve financial security through highly competitive products, exceptional service and trusted advice. They seek to be the #1 choice for the military community and their families.

Goals:

Given a set data, we want to analyze phone & digital channel member activity, using various methods, to increase customer efficiency, identify trends, and explore external factors.

In doing so, we develop greater accuracy to explore hypotheses and focus on investigation of statistical methods, regression, and factor analysis.



Conclusions & Future Goals

- Identified trends that are applicable to members of USAA
- Explored methods to increase efficiency in customer support
- Considered how external factors affect members relationship with USAA
- Investigated differences in channel usage (mobile app, phone, internet) and how these can be leveraged to increase customer activity & make USAA more financially efficient



MANAGE AND DETERMINE TRENDS FROM DATASETS

<u>During our Project, We:</u>



CREATE GRAPHS AND RELATIONSHIPS USING R AND PYTHON

USAA x Data Mine

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into Exhibition



COMMUNICATE EFFECTIVELY WITH OTHERS ON A LONG-TERM PROJECT

Data Visualization & Insights



- Percentage of people in each marital status group that have purchased Property and Casualty Insurance
- The Property and Casualty Count for age groups. A large spike can be seen around age 20, which can be because many users buy property like a home or a car at this age and need to insure it.



References & Acknowledgements

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This matrix shows percentages for when the model predicted a customer purchased the product vs. whether the product was actually purchased. For example, 22.7% of all customers were predicted to buy the product, and they did purchase, whereas 5.54% of all customers were predicted to buy the product, but they did not.

