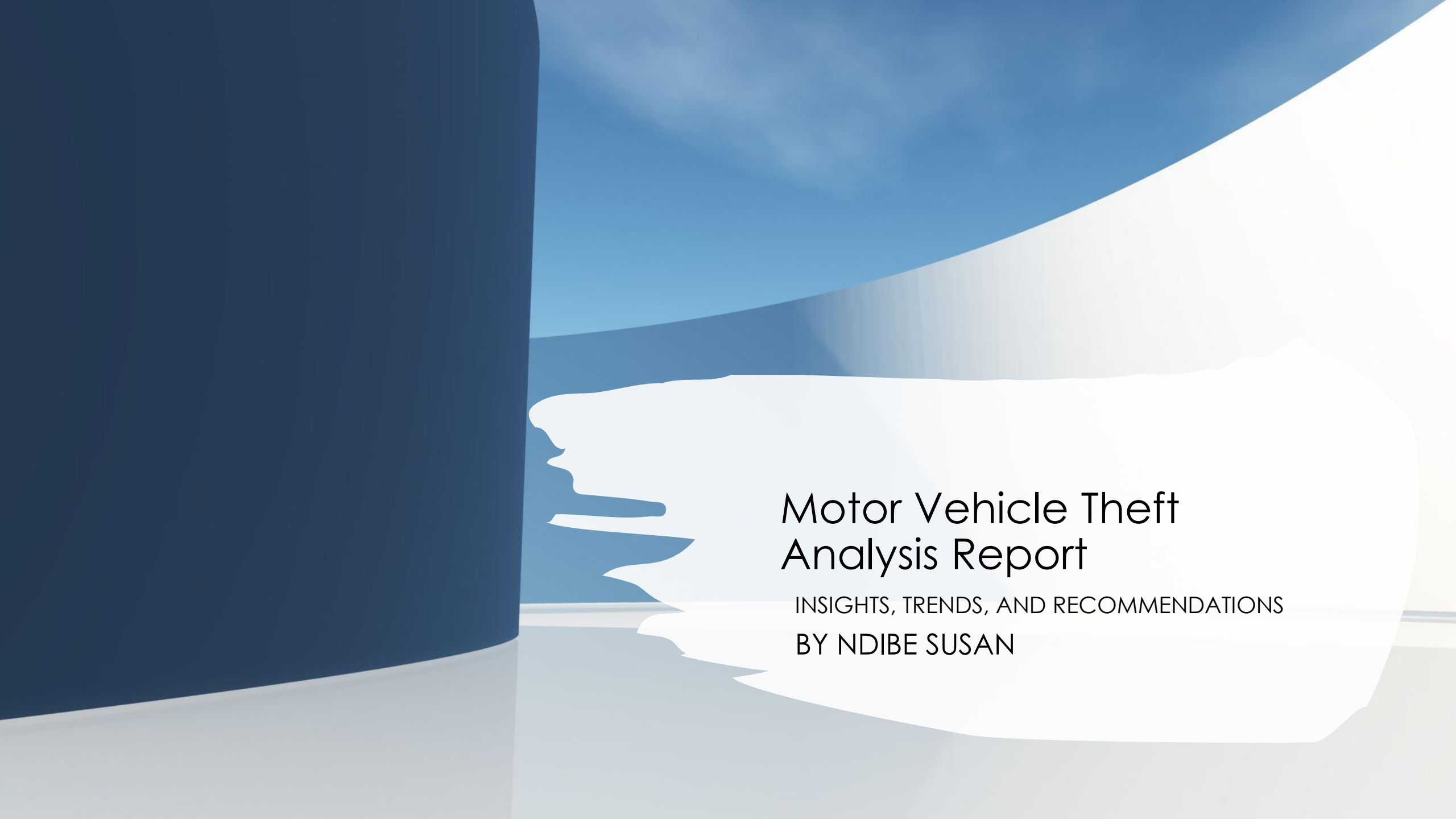


Motor Vehicle Theft Analysis Report

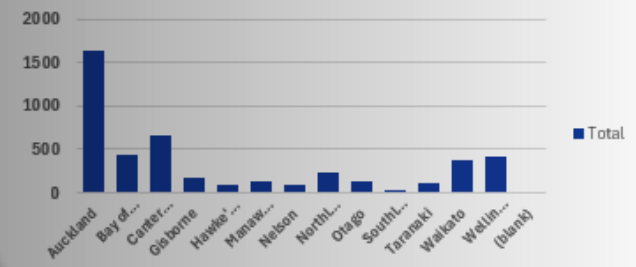
INSIGHTS, TRENDS, AND RECOMMENDATIONS

BY NDIBE SUSAN

Motor Vehicle Theft Analysis Dashboard-New Zealand

Location - Highest Theft

1626

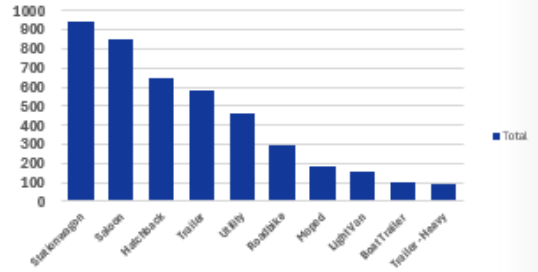


of Vehicle theft

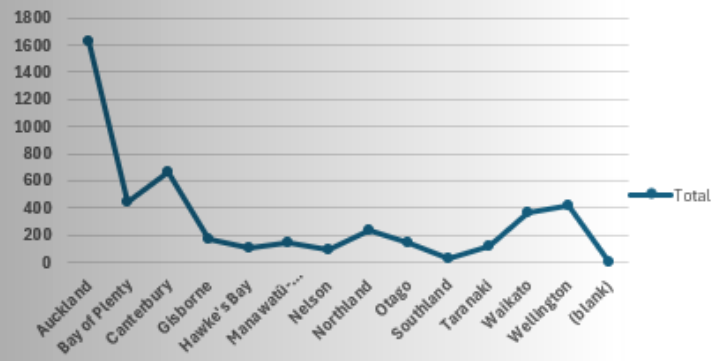
4527

Theft by Vehicle types

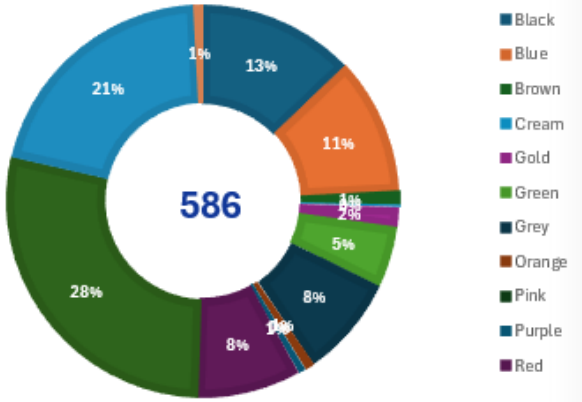
945



Theft by Location in 2021 & 2022



Theft by Vehicle Color



vehicle_type

- All Terrain Vehicle
- Articulated Truck
- Boat Trailer
- Cab and Chassis Only

color

- Black
- Blue
- Brown
- Cream

Months (date_stol...

- Jan
- Feb
- Mar

Years (date_stolen)

- 2021
- 2022

Introduction

Objective: To analyze motor vehicle theft trends and provide data-driven insights.

Data Sources: Stolen vehicle records, location details, and make details.

Goal: Identify high-risk locations, theft patterns, and possible preventive measures.

Key Performance Indicators (KPIs)

- **Total Vehicles Stolen:** 4,527 vehicles stolen
- **Most Stolen Vehicle Type:** Station-wagon
- **Top 5 High-Theft Locations:** They include: Auckland (1,626), Canterbury (660), Bay of Plenty (442), Wellington (417), and Waikato (369).
- **Peak Theft Periods:** March 2022 recorded the highest theft rates.

High-Theft Locations

- **TOP 5 LOCATIONS BY THEFT COUNT IN 2021 & 2022**
  - Auckland: 195 & 422
  - Bay of Plenty:81 & 86 thefts
  - Canterbury: 101 & 122 thefts
  - Waikato: 58 & 90 thefts
  - Wellington: 62 & 90 thefts
- **TREND ANALYSIS:** Theft increasing yearly in all locations.

Vehicle Type & Color Analysis

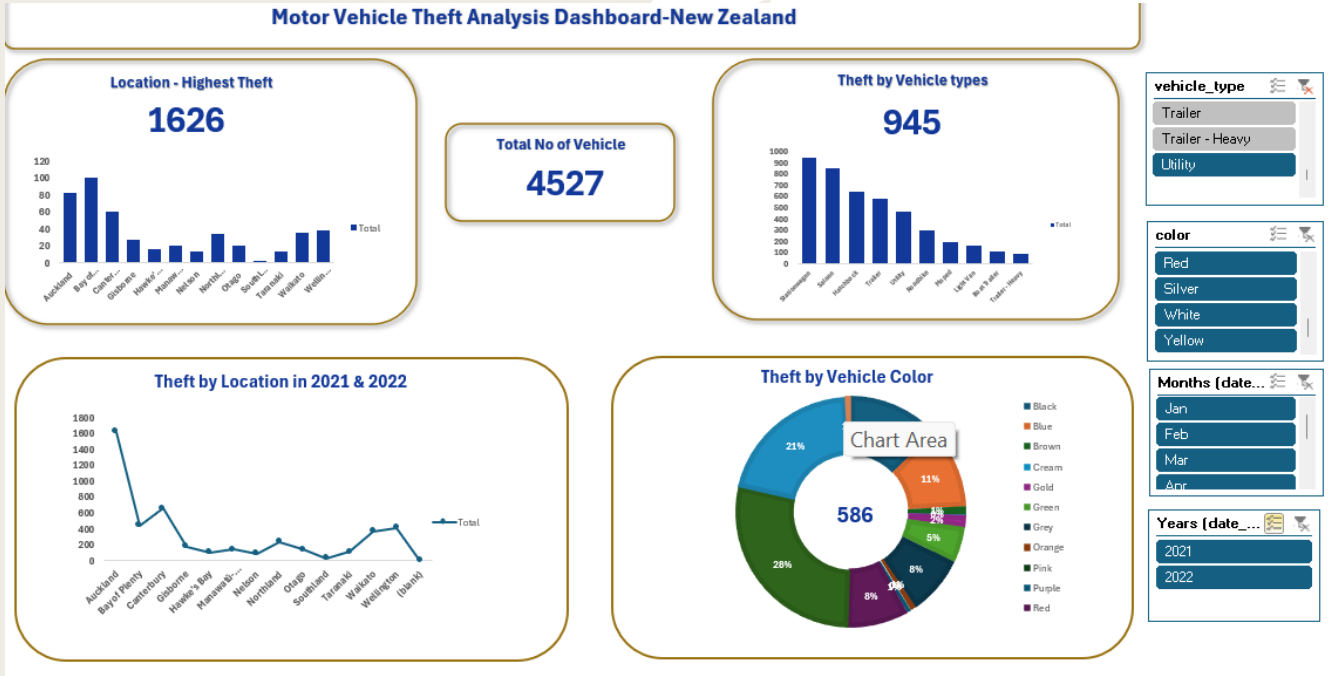
- **MOST STOLEN VEHICLE TYPE:** Station Wagon, Saloon, & Hatchback
- **MOST STOLEN VEHICLE COLOR:** Silver, White And Black
- **POSSIBLE REASONS:** POPULARITY, EASE OF RESALE, SECURITY VULNERABILITIES.

Dashboard & Slicers Overview

•**INTERACTIVE FILTERS USED:**

- Year of Theft
- Location
- Vehicle Type
- Color

•**REAL-TIME DATA ADJUSTMENTS:** USERS CAN DRILL DOWN INTO SPECIFICS USING SLICERS



Recommendations

- **FOR LAW ENFORCEMENT:**
  - Increase patrols in high-theft locations.
  - Implement surveillance during peak theft hours.
- **FOR VEHICLE OWNERS:**
  - Use tracking devices.
  - Park in secure areas.
- **FOR POLICYMAKERS:**
  - Stricter vehicle theft laws.
  - Public awareness campaigns.

Conclusion

- **SUMMARY OF FINDINGS:** Theft is highest in auckland, bay of plenty
- **MOST STOLEN VEHICLE TYPE:** Station wagon peak
- **THEFT PERIODS:** MARCH 2022
- **NEXT STEPS:**
- Further analysis with real-time data updates
- Implementation of recommendations.

Thank You