**Vehicle Theft Analysis – New Zealand**

**Project Overview**

This project analyzes vehicle theft data in New Zealand using **Excel** and **MySQL**. The goal is to identify trends in when, where, and which vehicles are most likely to be stolen.

**Tools & Technologies**

* **Database:** MySQL
* **Data Analysis & Visualization:** Excel

**Objectives & Tasks**

**1. Identify When Vehicles Are Stolen**

* Count the number of stolen vehicles per **year, month,** and **day of the week**
* Replace numeric days with full names (e.g., Monday, Tuesday)
* Visualize theft trends using a **bar chart**

**2. Identify Which Vehicles Are Most Stolen**

* Determine the **most and least stolen vehicle types**
* Find the **average age** of stolen vehicles per type
* Analyze theft rates for **luxury vs. standard** vehicles
* Create a **heat map** showing stolen vehicle counts by **color and type**

**3. Identify Where Vehicles Are Stolen**

* Count vehicle thefts in each **region**
* Compare theft rates with **population and density statistics**
* Analyze theft trends in **high vs. low-density regions**
* Visualize theft patterns using a **scatter plot and a regional map**

**Final Project Question**

* How many total vehicles were stolen in the most dense region?

**Author**

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