

Kigali Wedding Venue Booking Analysis

Big Data Capstone Project

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Project Summary

This project analyzes wedding venue bookings in Kigali to address the challenge of tracking demand and availability. Using a custom dataset of 23 venues, I performed data cleaning and exploration in Python and created an interactive Power BI dashboard. The results show that Kicukiro has the highest average prices, Mez Park and Arcadia Garden are the most booked venues, and peak wedding dates occur in late September. These insights can help couples choose venues more efficiently and assist managers in understanding demand trends.

Visuals & Captions

Figure 1: Count of Venue ID by Booking Status

This chart displays how many venue bookings fall under each status (Available vs Booked).

Figure 2: Venue Count by Venue Name

This chart shows the frequency of each venue name in the dataset, indicating which venues are booked more often.

Figure 3: Average Venue Price by Location

This bar chart visualizes the average price of venues in Gasabo, Kicukiro, and Nyarugenge districts.

Figure 4: Bookings Over Time

This line or bar chart shows the distribution of bookings across different dates, highlighting the most popular wedding days.

