

Mini Project №1: Wood Supplier Analysis

Project Goal

Identify the most cost-effective wood suppliers for each treatment type using price per cm² as the main metric.

Data

File: supply_of_boards.csv

Columns: wood_type, treatment, width_cm, length_cm, price_usd, supplier, delivery_date

Steps Performed

- Loaded and performed initial analysis of the dataset
- Calculated board area and price per cm²
- Grouped data by supplier and treatment type
- Identified the most cost-efficient supplier for each treatment
- Manually reviewed and filtered categories
- Created a bar chart with labeled suppliers

Tools Used

Python, Pandas, Matplotlib

Chart

(Chart is attached in the project portfolio)

Conclusions

WoodTrade was the most cost-effective for two treatment types (Antiseptic and Thermal).

LumberPlus performed best for Dry treatment.

EcoWood was the top choice for Raw wood.

This methodology can be used to optimize procurement and reduce supply chain costs.