بسم الله الرحمن الرحيم

Excel for Data Analysis – Full Course for Beginners

Project One

**Bike Sales**

**(Project Documentation)**

**Content:**

* Overview.
* Part 1: Prepare Data for Analysis.
* Part 2: Analyze the Data.
* Part 3: Building the Dashboard.

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Overview

About the Project

This is the final project of Alex the Analyst Excel Tutorials. It started from installing Excel up to creating simple dashboard with Excel.

Lessons Have Been Taken:

* Pivot Tables in Excel
* Formulas in Excel
* Conditional Formatting in Excel
* LOOKUP Functions in Excel
* Cleaning Data in Excel
* Charts in Excel

| **Column Name** | **Description** | **Inferred Data Type** |
| --- | --- | --- |
| **ID** | Unique identifier for each record | Integer |
| **Marital Status** | Marital status of the individual (note typo: "Maried" instead of "Married") | Categorical (String) |
| **Gender** | Gender of the individual | Categorical (String) |
| **Income** | Annual income (note the dollar sign, might need cleaning) | Numeric (String -> Float) |
| **Class** | Socioeconomic class (A, B, C, etc.) | Categorical (String) |
| **Children** | Number of children | Integer |
| **Education** | Education level | Categorical (String) |
| **Occupation** | Occupation category | Categorical (String) |
| **Home Owner** | Whether the person owns a home (note typo: "Dosen't has a home") | Categorical (String) |
| **Cars** | Number of cars owned | Integer |
| **Commute Distance** | Distance range for daily commute | Categorical (String) |
| **Region** | Geographical region | Categorical (String) |
| **Age** | Age in years | Integer |
| **Age Classes** | Age category (e.g., "30-40", "55 +") | Categorical (String) |
| **Purchased Bike** | Whether the person purchased a bike ("Bayed" likely means "Bought" or "Yes") | Categorical (String; Binary) |

Data

It is consisted from 16 columns and 1,000 rows/records without header.

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