Project Overview

This project takes some sales data for bike sales and creates a dashboard to quickly and cleanly see what different data points affected the decision to purchase a bike or not.

The excel document has four different tabs, each with a distinct purpose:

* Dashboard shows the finished visualization.
* Pivot Table brings the data together to start analyzing it.
* Working Sheet is a copy of the Raw Data that can be cleaned up without corrupting the raw data
* Raw Data is the initial data that was imported.

# Data Cleaning and Organizing:

* Removing duplicate entries
* Making sure all columns don’t have any spelling errors or outliers
* Removing Blanks
* Replacing married status with whole words
* Replacing Gender with whole words
* Rename longer commutes to sort correctly
* Creating Age ranges to consolidate demographic data

# Pivot Tables:

* Created a table and bar chart that compares Males, Females and their respective income to their purchase decision.
* Created a table and line graph that compares the commute distance and purchase decision.
* Created a table and line graph that compares age group to purchase decision.

# Dashboard:

* Bring all charts together
* Cleanly display data
* Adding different slicers for Marital Status, Region, and Education to sort and filter data to quickly see trends.