Excel Data Project

Data Acquisition & Prep

* Download dataset from Kaggle
* Copied data into second sheet to use as a working sheet
* Created pivot table sheet, and dashboard sheet

Data Cleaning

* Remove 26 duplicates rows
* Find and replace ‘M’ to ‘Married’ and ‘S’ to ‘Single’ in Marital Status column
* Find and replace ‘F’ to ‘Female’ and ‘M’ to ‘Male’ in Gender column
* Format income from general to currency
* Filter and review input for misspellings
* Create column ‘Age Bracket’ next to ‘Age’ for easier sorting
  + Create IF statement to designate age ranges
  + IF(L2<31,”Adolescent”,”Invalid”)
  + Stacked If statements to create multiple categories
    - =IF(L2>54,"Old",IF(L2>=31,"Middle Age",IF(L2<31,"Adolescent","Invalid")))

Visualizations

* Create new sheet and add a pivot table using Gender, Income and Purchased Bike columns as table fields
* Create a pivot chart based on table
* Format table values to numbers without decimals
* Add labels as necessary for comprehension
* Create a pivot table using Commute distance, and Purchased Bike as fields
* Create pivot chart based on table
* Create pivot table using Age Bracket, and Purchased Bike as fields
* Create pivot chart based on table

Dashboard

* Create new sheet and copy pivot tables over
* Format sheet to remove gridlines, add title, and align charts
* Create slicers on all charts to analyze Marital status, Region, Education and Cars