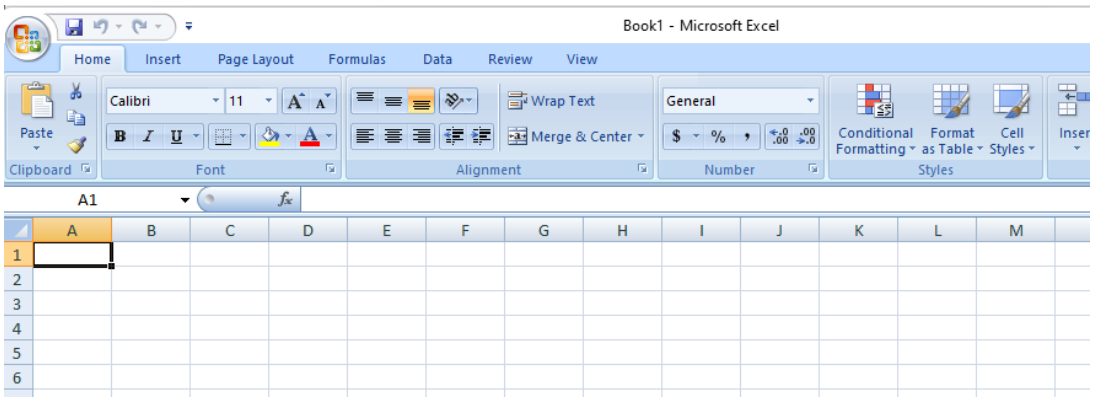
Document highlight:

- Tool and Data setup
- Data Cleanup
- Build the pivot tables and its corresponding chart visualization
    - Average Income by Biker's Gender
    - Count of Purchased Bike by Biker's Commute Distance
    - Count of Purchased Bike by Biker's Age Group
- Create the visualization dashboard

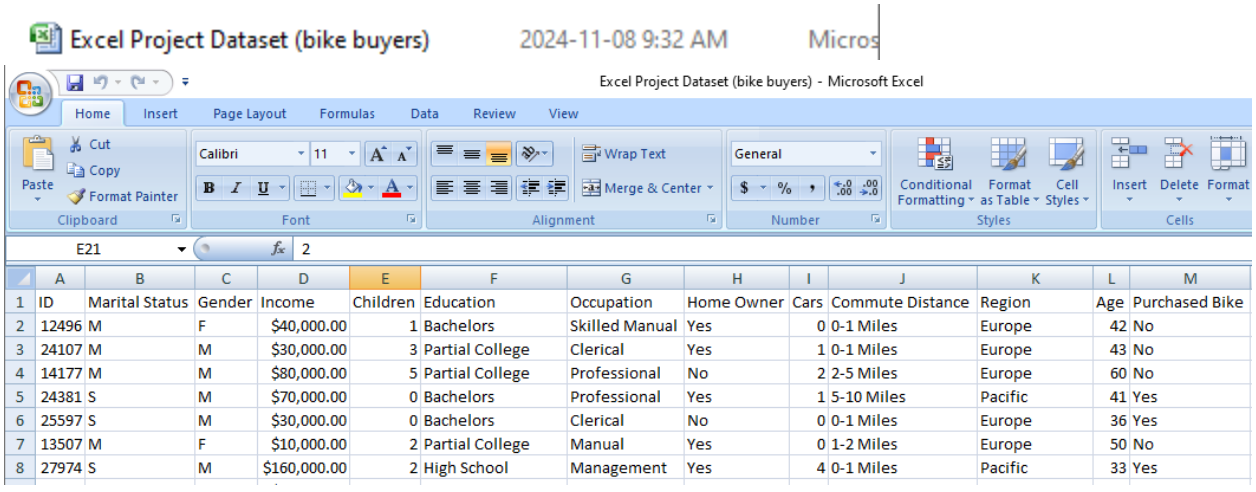
1. Setup Microsoft Excel



2. Dataset

Sampling dataset:

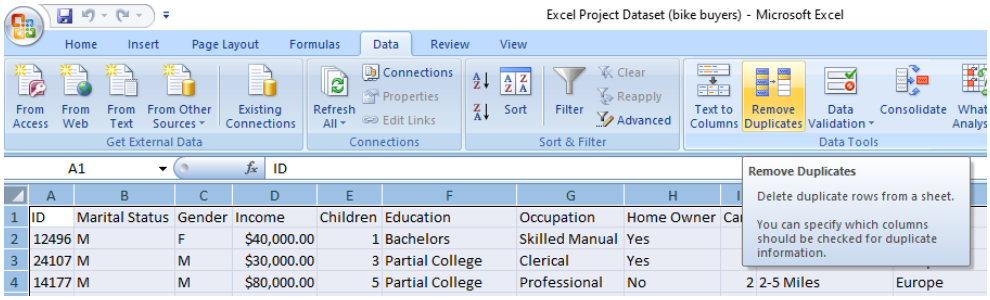
https://www.kaggle.com/datasets/unica02/data-on-bike-buyers-by-using-ms-excel

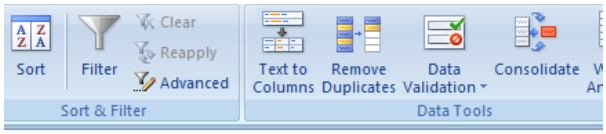


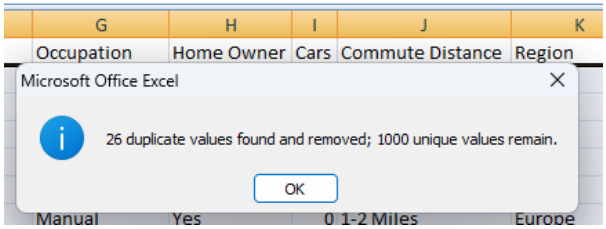
	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ID	Marital Status	Gender	Income	Children	Education	Occupation	Home Owner	Cars	Commute Distance	Region	Age	Purchased Bike
2	12496	M	F	$40,000.00	1	Bachelors	Skilled Manual	Yes	0	0-1 Miles	Europe	42	No
3	24107	M	M	$30,000.00	3	Partial College	Clerical	Yes	1	0-1 Miles	Europe	43	No
4	14177	M	M	$80,000.00	5	Partial College	Professional	No	2	2-5 Miles	Europe	60	No
5	24381	S	M	$70,000.00	0	Bachelors	Professional	Yes	1	5-10 Miles	Pacific	41	Yes
6	25597	S	M	$30,000.00	0	Bachelors	Clerical	No	0	0-1 Miles	Europe	36	Yes
7	13507	M	F	$10,000.00	2	Partial College	Manual	Yes	0	1-2 Miles	Europe	50	No
8	27974	S	M	$160,000.00	2	High School	Management	Yes	4	0-1 Miles	Pacific	33	Yes

3. Data cleanup

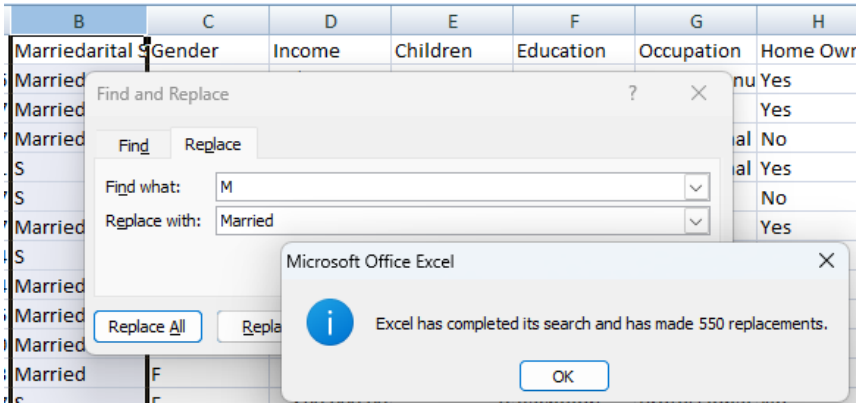
Remove duplicates

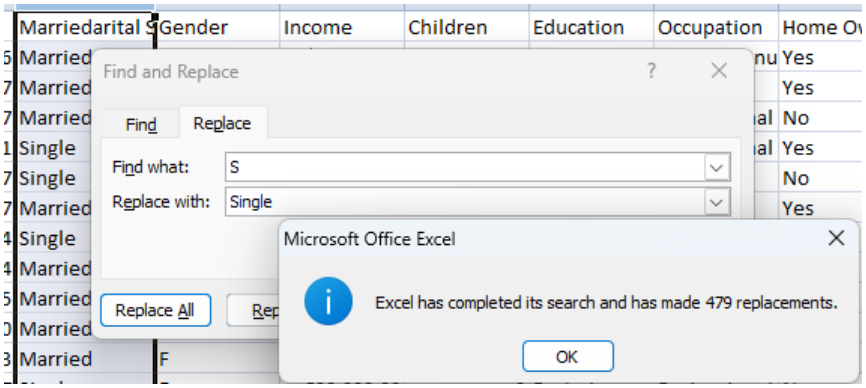


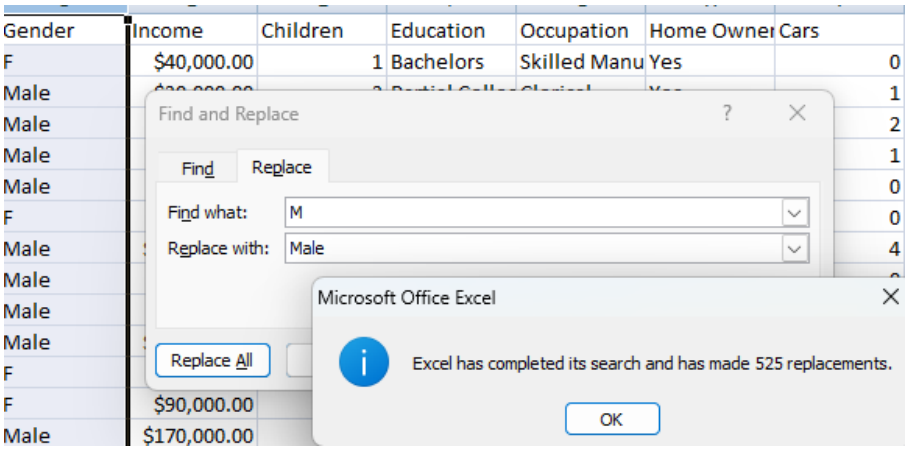


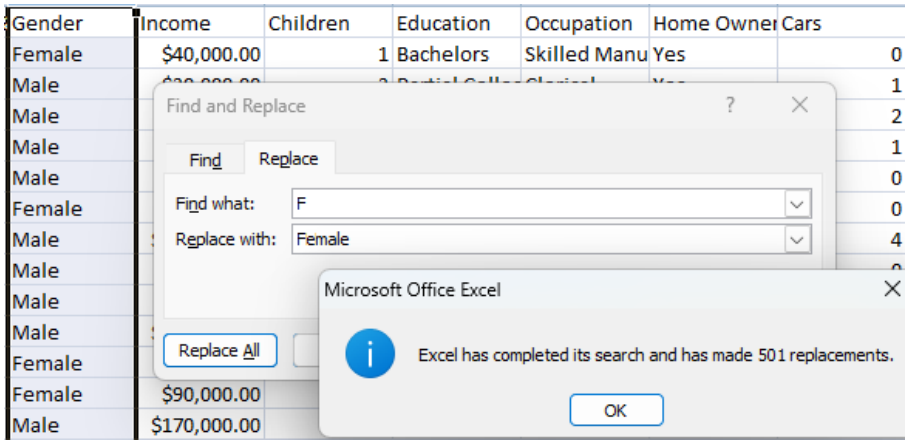


Spell out some of the column values instead of its respective codes

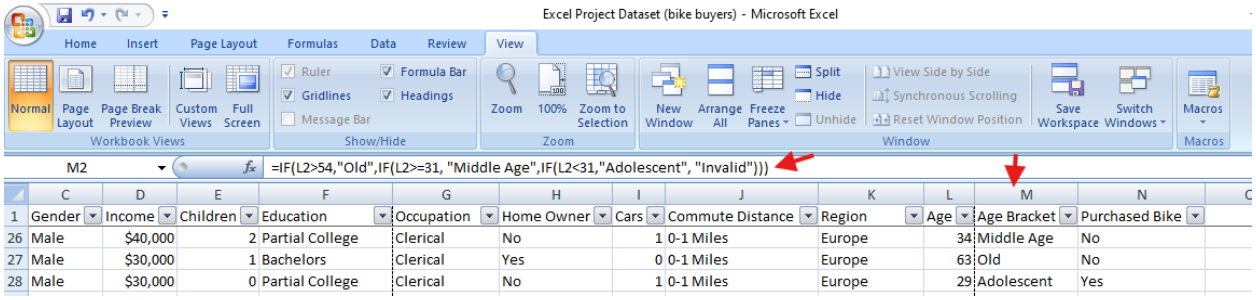






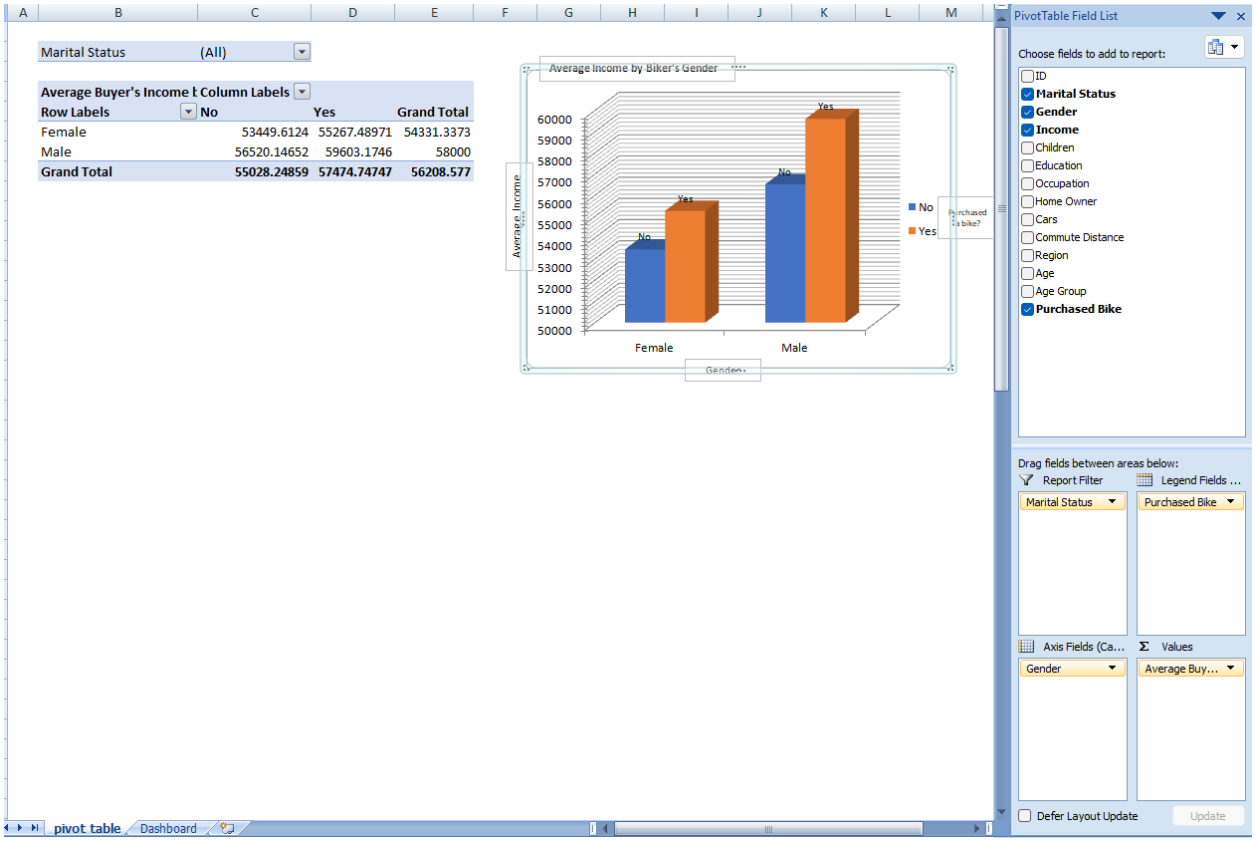


Add a (age group) column and have a formula that is tied with the "Age" value

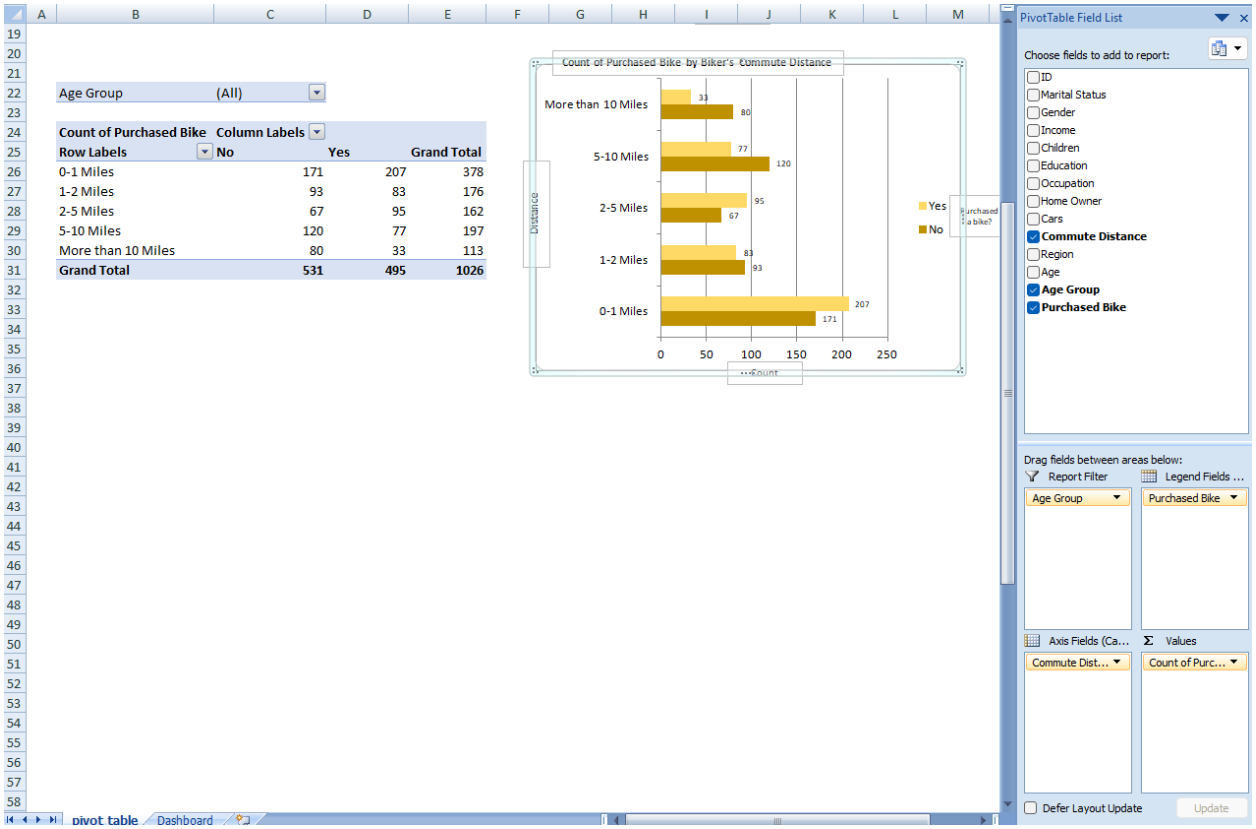


4. Build the pivot tables and its corresponding chart visualization

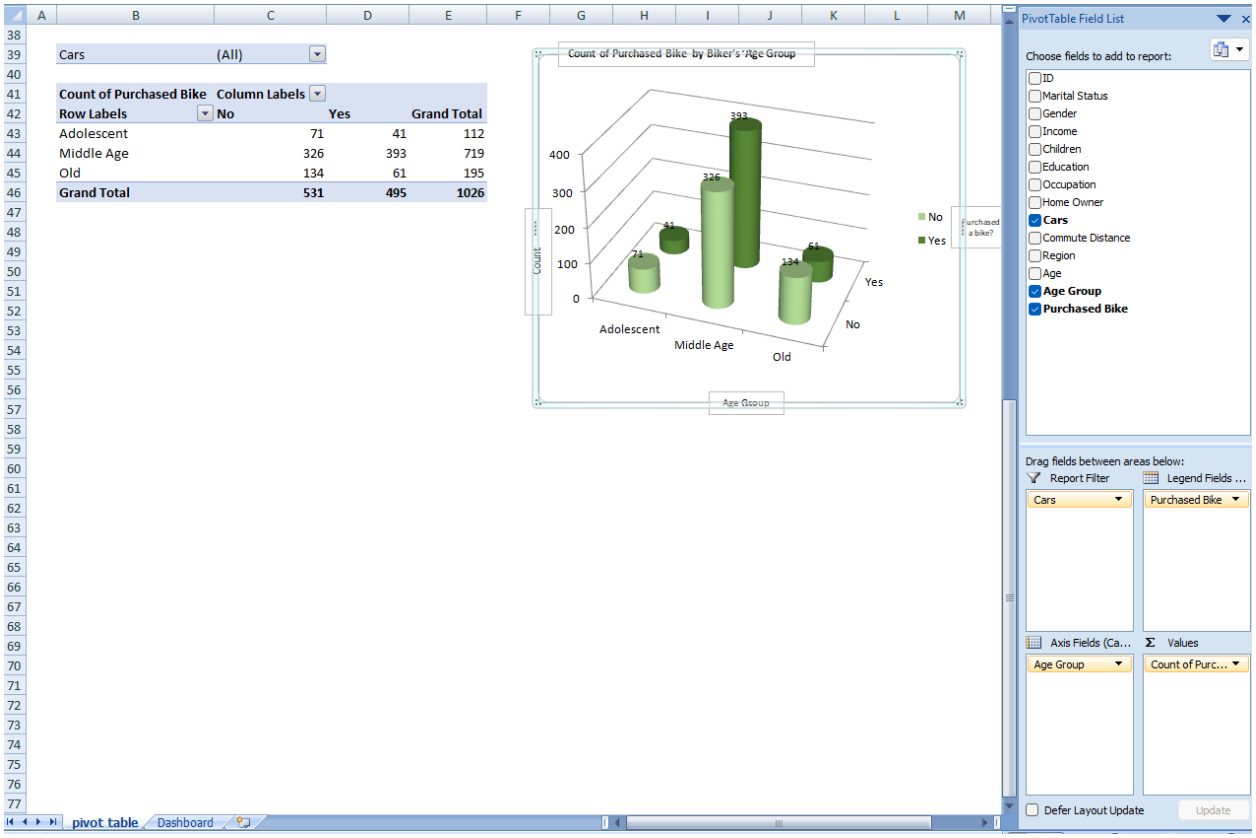
Average Income by Biker's Gender



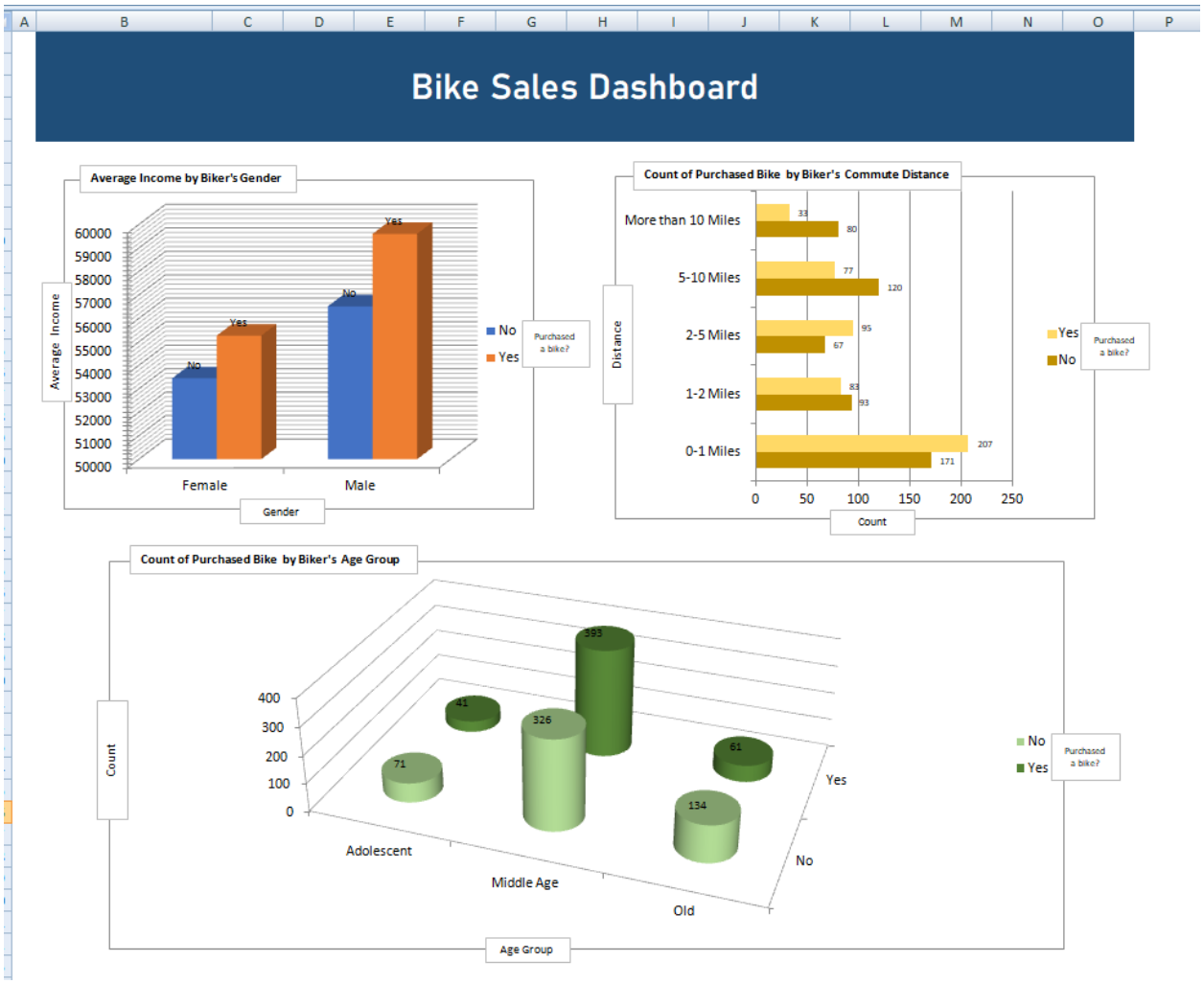
Count of Purchased Bike by Biker's Commute Distance



Count of Purchased Bike by Biker's Age Group



5. Create the visualization dashboard



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