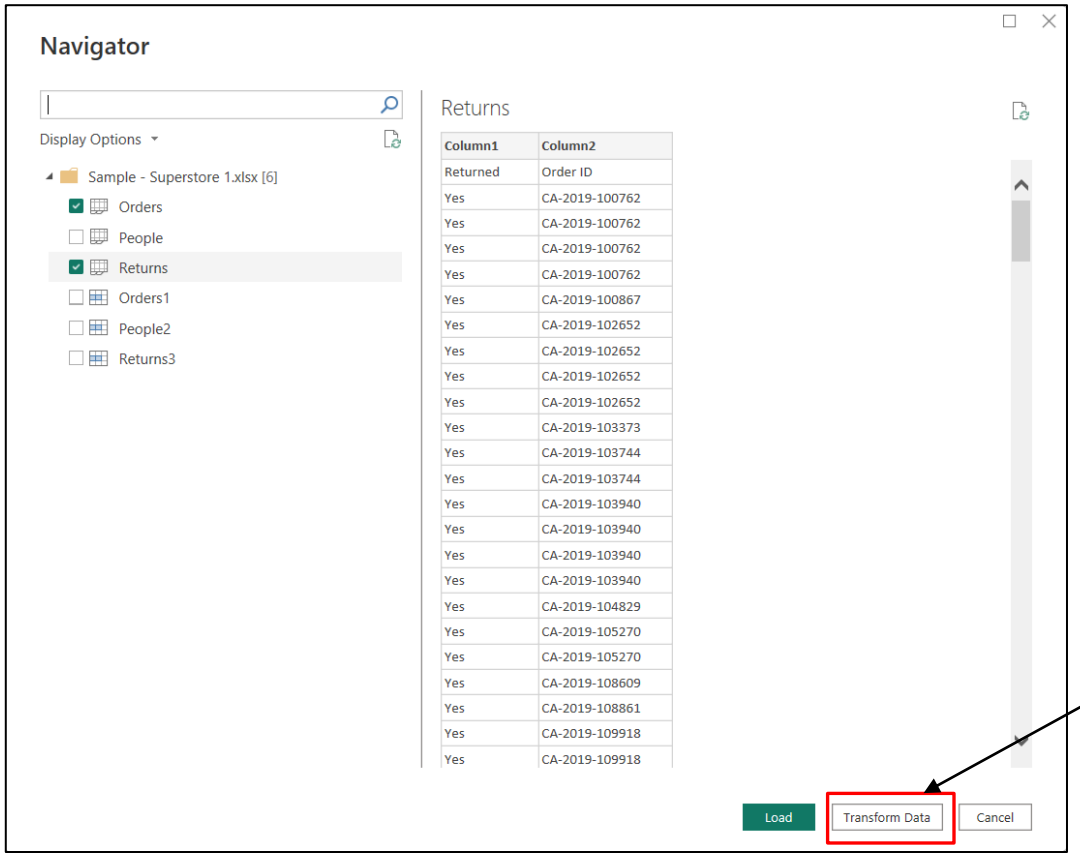
Data Modelling and Joins

UTKARSH GAIKWAD

Transforming the data



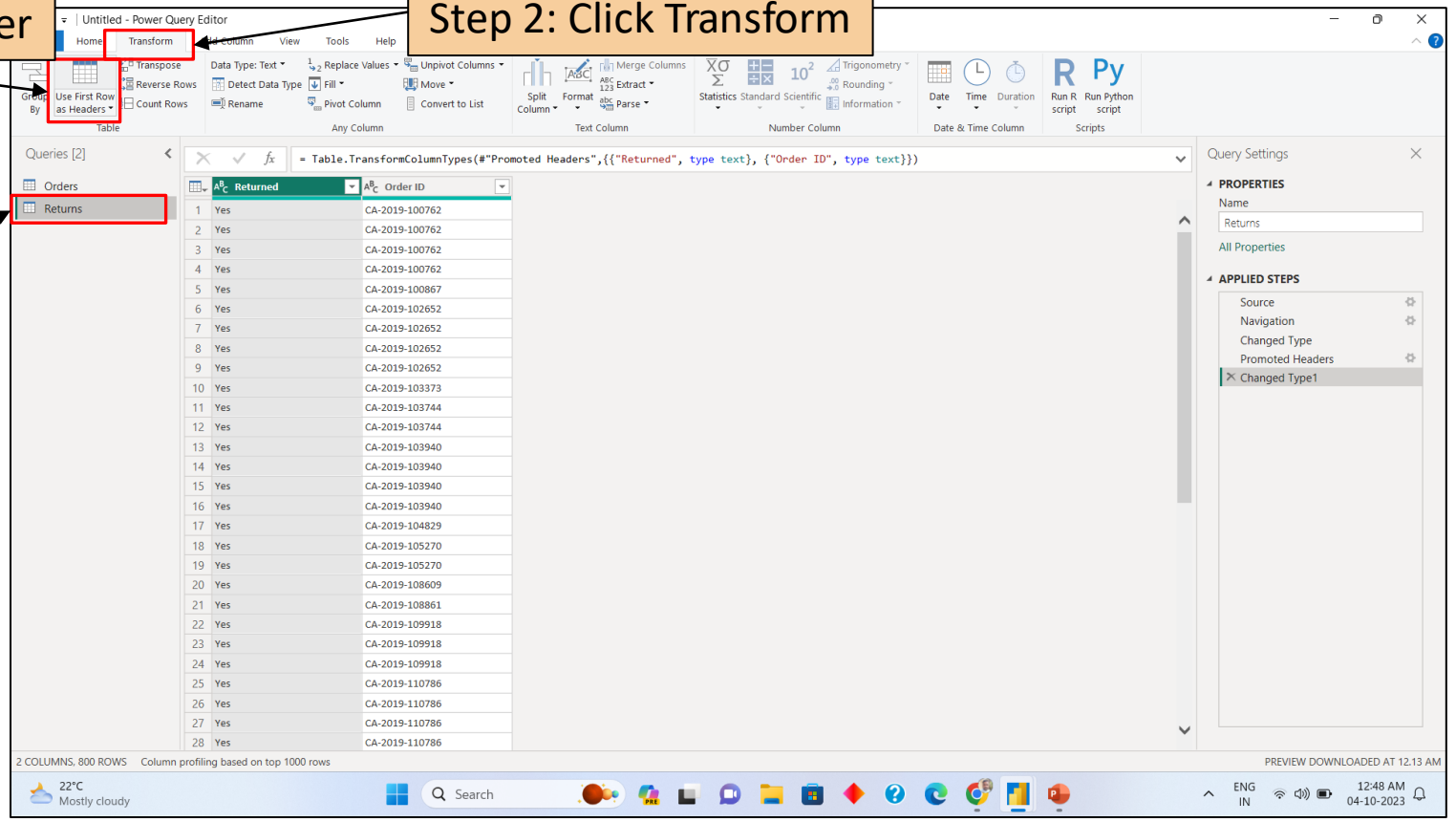
Click to Transform Data

Changing First Column to Header

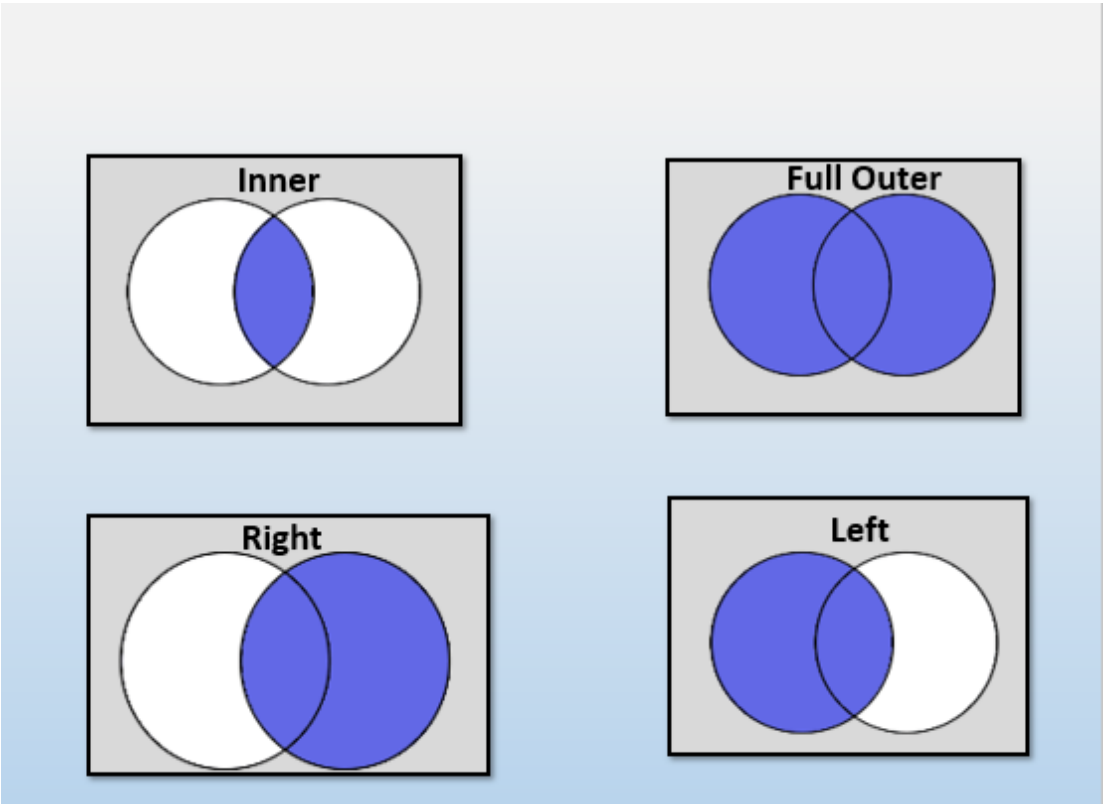
Step 3: Use first row header

Step 2: Click Transform

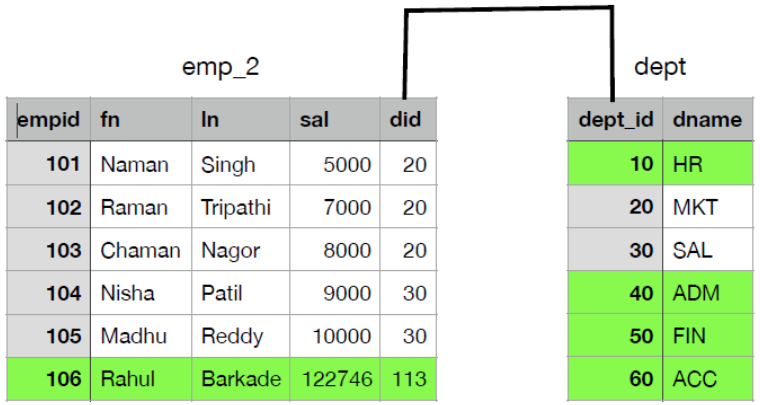
Step 1: Click Returns



Joins In power BI



Inner Join



emp_2

empid	fn	ln	sal	did
101	Naman	Singh	5000	20
102	Raman	Tripathi	7000	20
103	Chaman	Nagor	8000	20
104	Nisha	Patil	9000	30
105	Madhu	Reddy	10000	30
106	Rahul	Barkade	122746	113

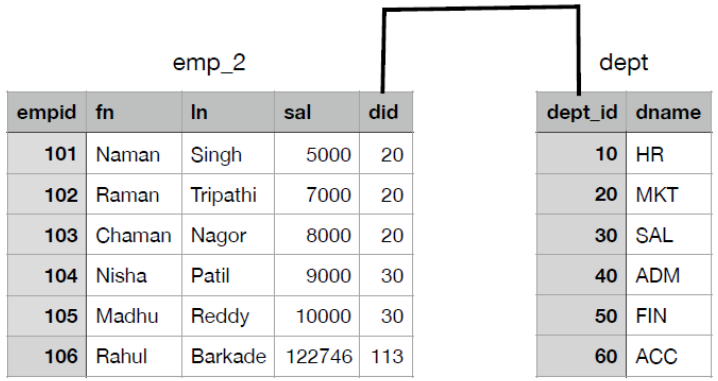
dept

dept_id	dname
10	HR
20	MKT
30	SAL
40	ADM
50	FIN
60	ACC

INNER_JOIN_OP

empid	fn	ln	sal	did	dept_id	dname
101	Naman	Singh	5000	20	20	MKT
102	Raman	Tripathi	7000	20	20	MKT
103	Chaman	Nagor	8000	20	20	MKT
104	Nisha	Patil	9000	30	30	SAL
105	Madhu	Reddy	10000	30	30	SAL

Left Join



emp_2

empid	fn	ln	sal	did
101	Naman	Singh	5000	20
102	Raman	Tripathi	7000	20
103	Chaman	Nagor	8000	20
104	Nisha	Patil	9000	30
105	Madhu	Reddy	10000	30
106	Rahul	Barkade	122746	113

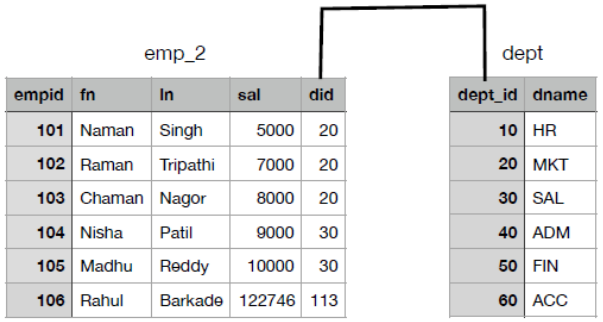
dept

dept_id	dname
10	HR
20	MKT
30	SAL
40	ADM
50	FIN
60	ACC

LO_JOIN_OP

empid	fn	ln	sal	did	dept_id	dname
101	Naman	Singh	5000	20	20	MKT
102	Raman	Tripathi	7000	20	20	MKT
103	Chaman	Nagor	8000	20	20	MKT
104	Nisha	Patil	9000	30	30	SAL
105	Madhu	Reddy	10000	30	30	SAL
106	Rahul	Barkade	122746	113	NULL	NULL

Right Join



emp_2

empid	fn	ln	sal	did
101	Naman	Singh	5000	20
102	Raman	Tripathi	7000	20
103	Chaman	Nagor	8000	20
104	Nisha	Patil	9000	30
105	Madhu	Reddy	10000	30
106	Rahul	Barkade	122746	113

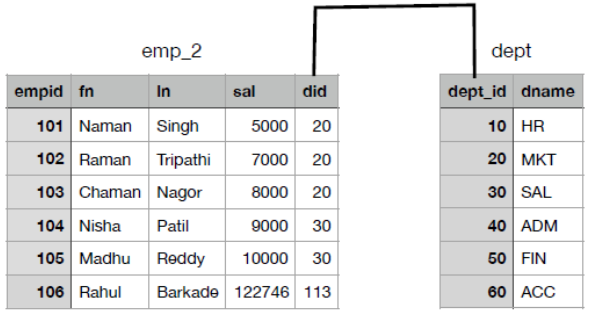
dept

dept_id	dname
10	HR
20	MKT
30	SAL
40	ADM
50	FIN
60	ACC

RO_JOIN_OP

empid	fn	ln	sal	did	dept_id	dname
NULL	NULL	NULL	NULL	NULL	10	HR
102	Raman	Tripathi	7000	20	20	MKT
103	Chaman	Nagor	8000	20	20	MKT
101	Naman	Singh	5000	20	20	MKT
104	Nisha	Patil	9000	30	30	SAL
105	Madhu	Reddy	10000	30	30	SAL
NULL	NULL	NULL	NULL	NULL	40	ADM
NULL	NULL	NULL	NULL	NULL	50	FIN
NULL	NULL	NULL	NULL	NULL	60	ACC

Full Outer



emp_2

empid	fn	ln	sal	did
101	Naman	Singh	5000	20
102	Raman	Tripathi	7000	20
103	Chaman	Nagor	8000	20
104	Nisha	Patil	9000	30
105	Madhu	Reddy	10000	30
106	Rahul	Barkade	122746	113

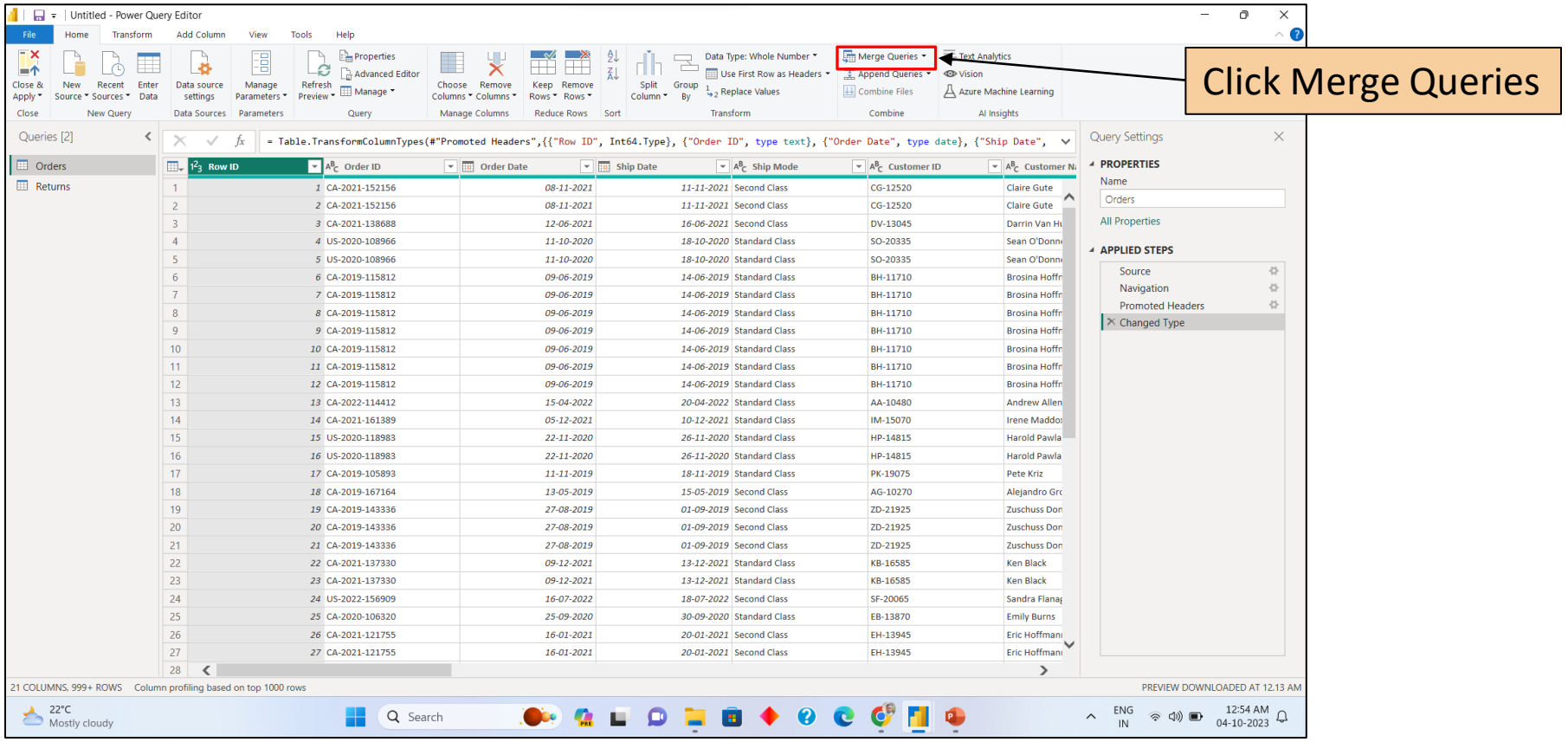
dept

dept_id	dname
10	HR
20	MKT
30	SAL
40	ADM
50	FIN
60	ACC

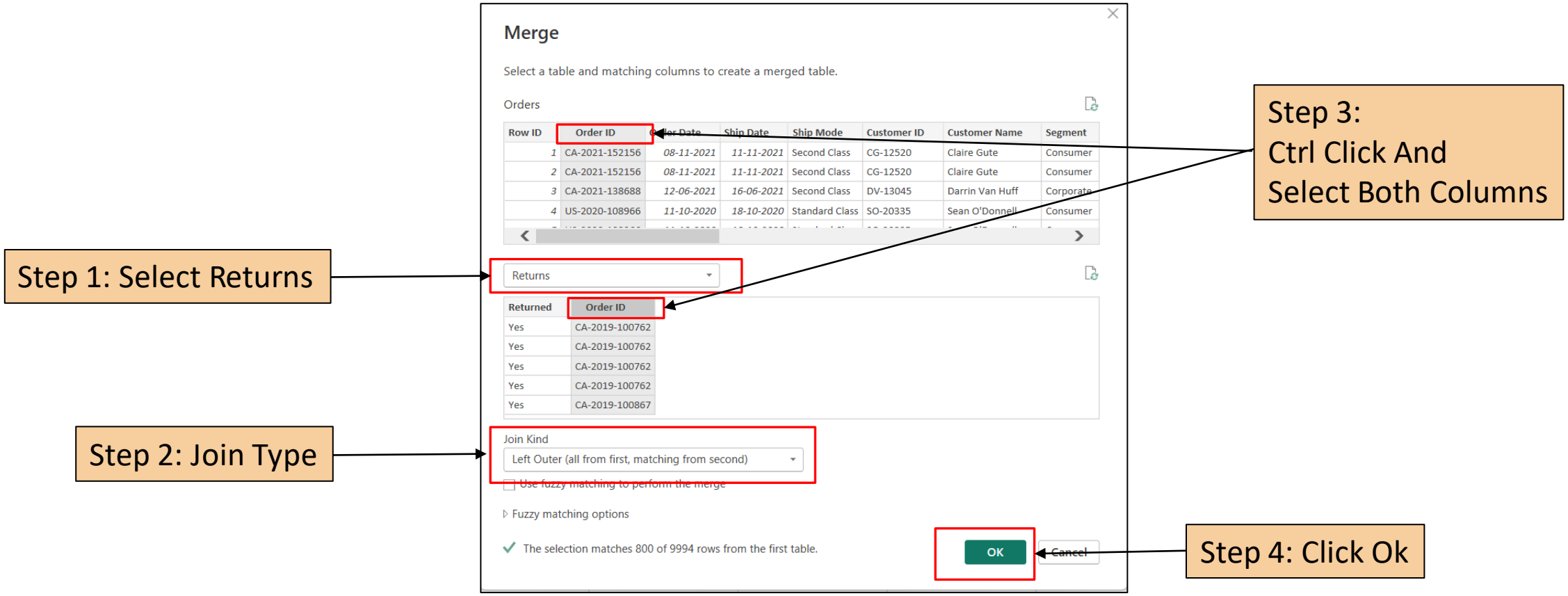
FO_JOIN_OP

empid	fn	ln	sal	did	dept_id	dname
NULL	NULL	NULL	NULL	NULL	10	HR
102	Raman	Tripathi	7000	20	20	MKT
103	Chaman	Nagor	8000	20	20	MKT
101	Naman	Singh	5000	20	20	MKT
104	Nisha	Patil	9000	30	30	SAL
105	Madhu	Reddy	10000	30	30	SAL
NULL	NULL	NULL	NULL	NULL	40	ADM
NULL	NULL	NULL	NULL	NULL	50	FIN
NULL	NULL	NULL	NULL	NULL	60	ACC
106	Rahul	Barkade	122746	113	NULL	NULL

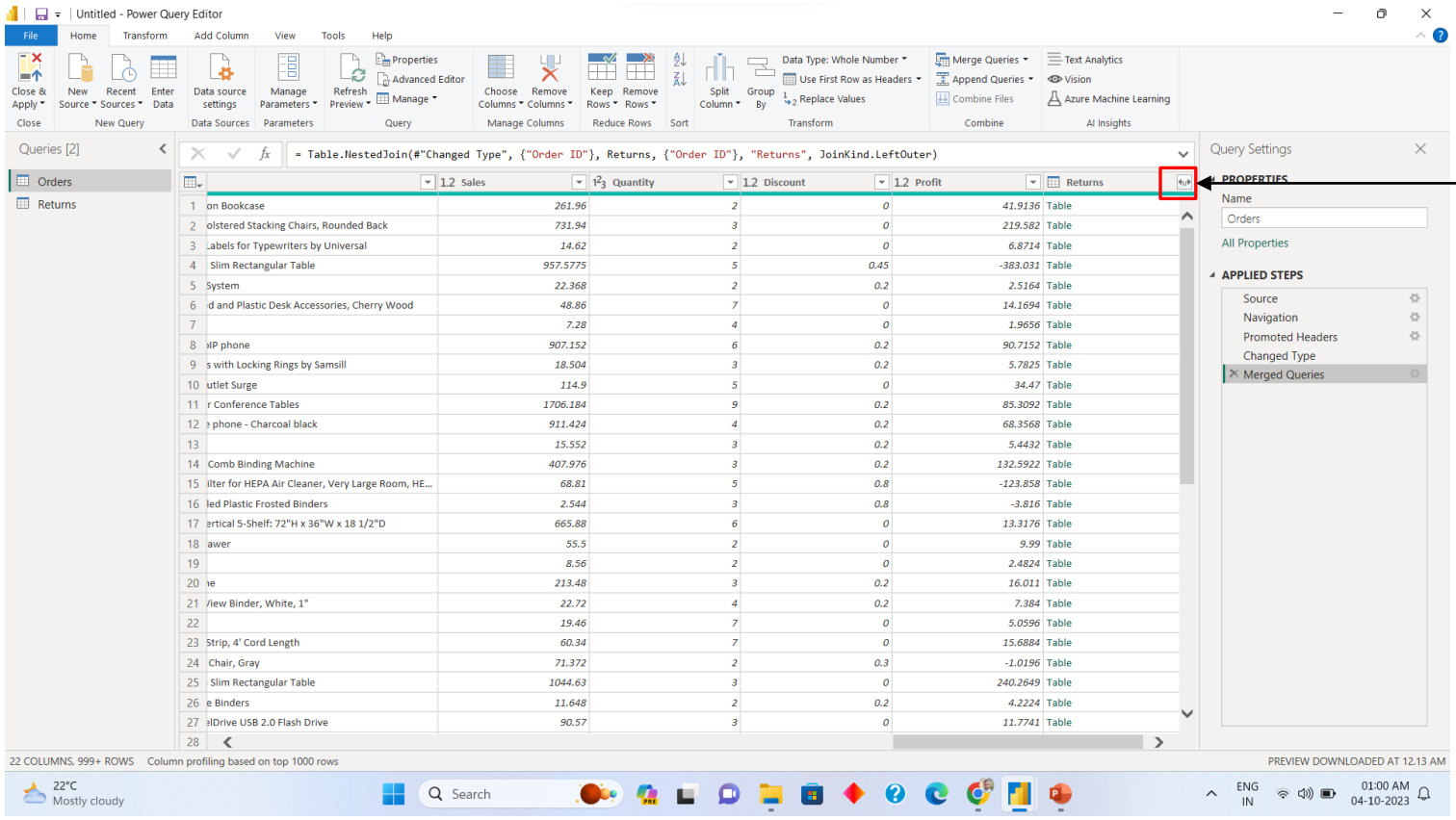
Creating Joins In PowerBI



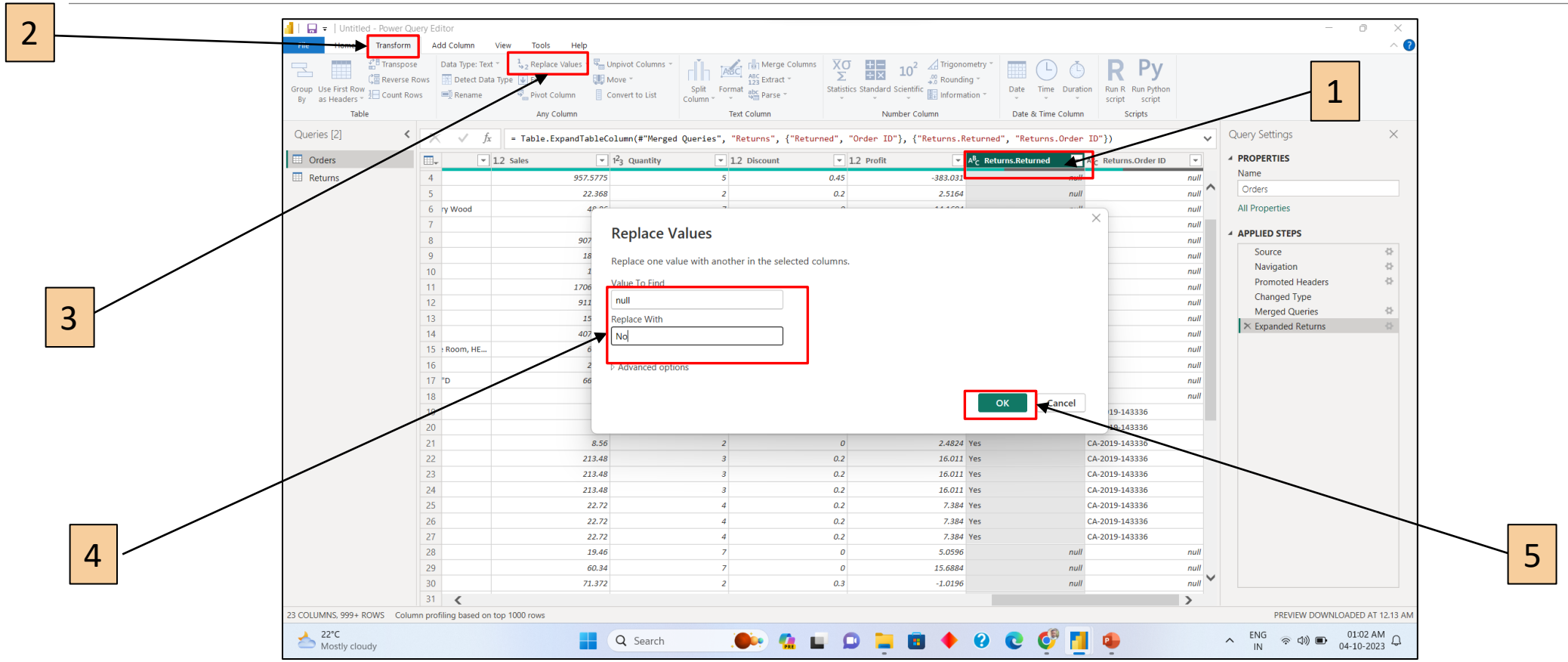
Creating Joins In PowerBI Contd.



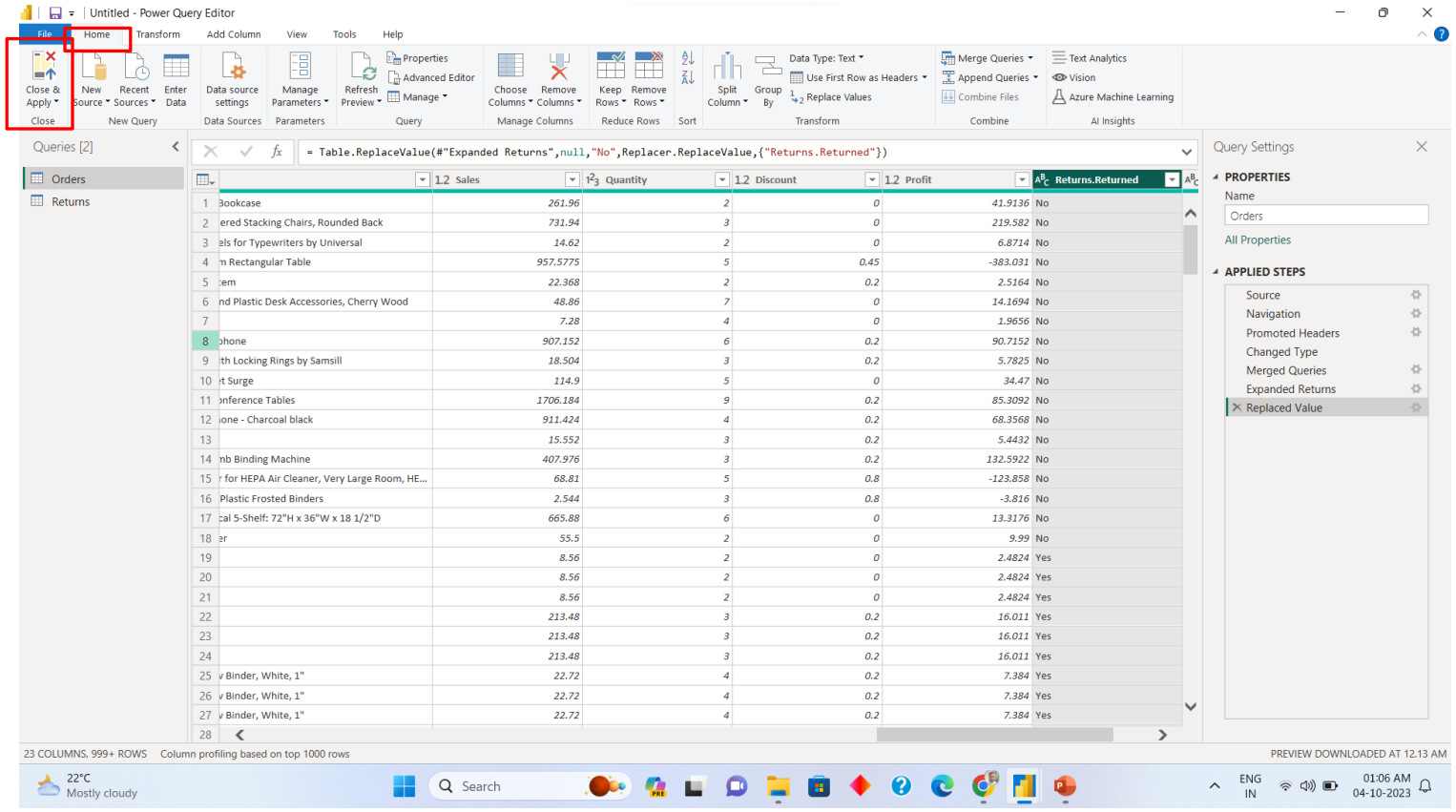
Expand Returns Table



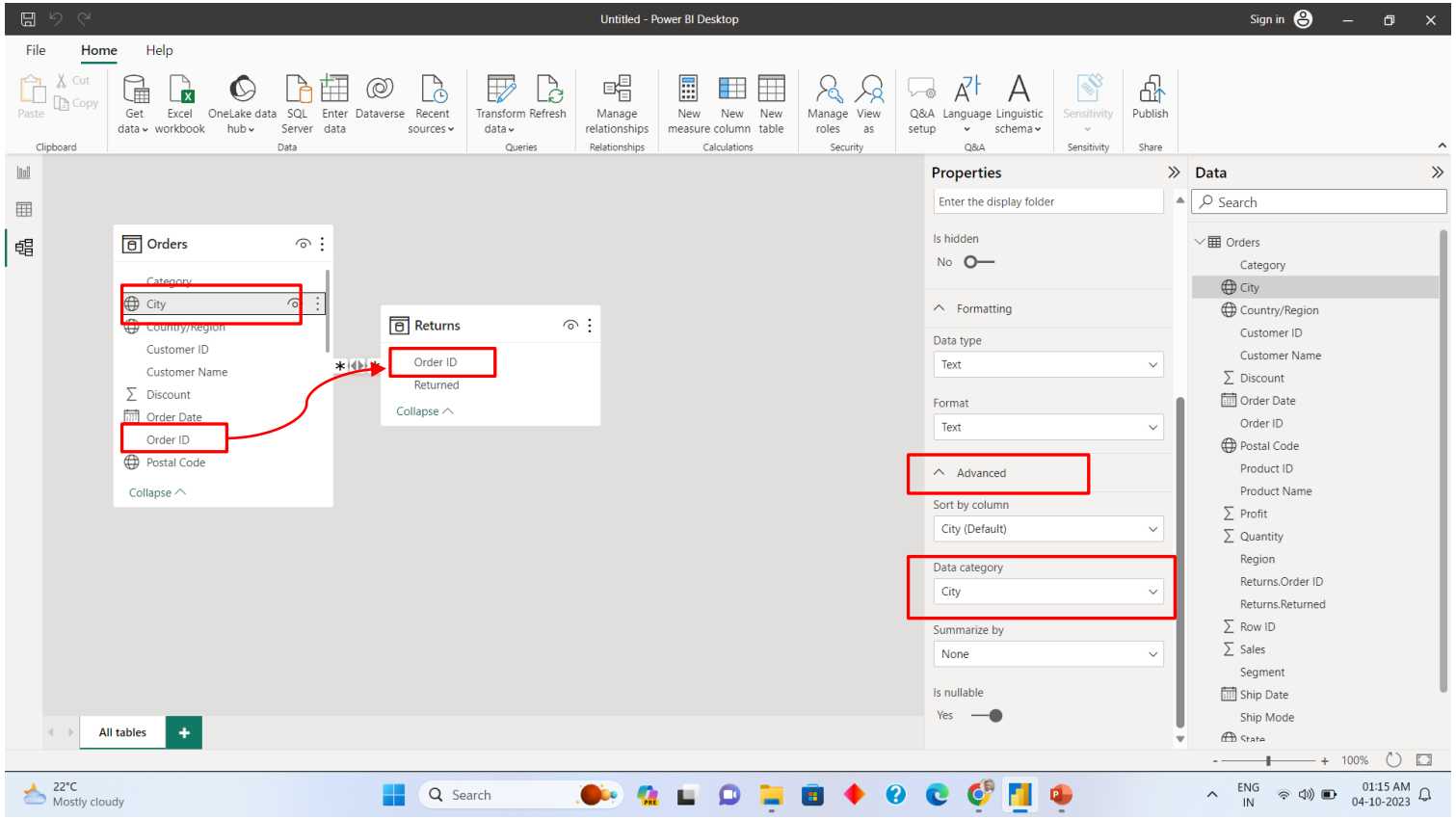
Replacing null values with no in Returns column



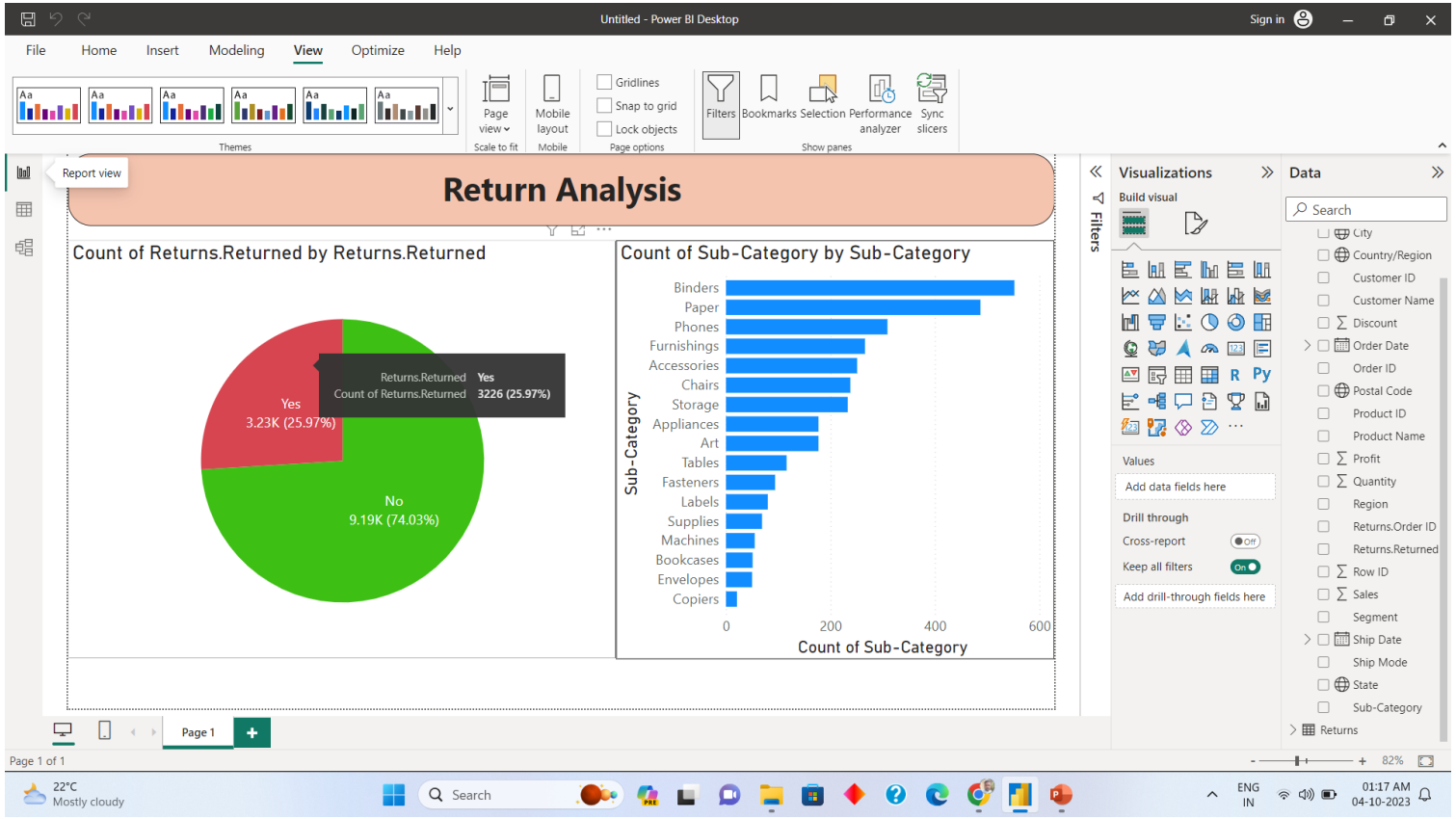
Applying all changes



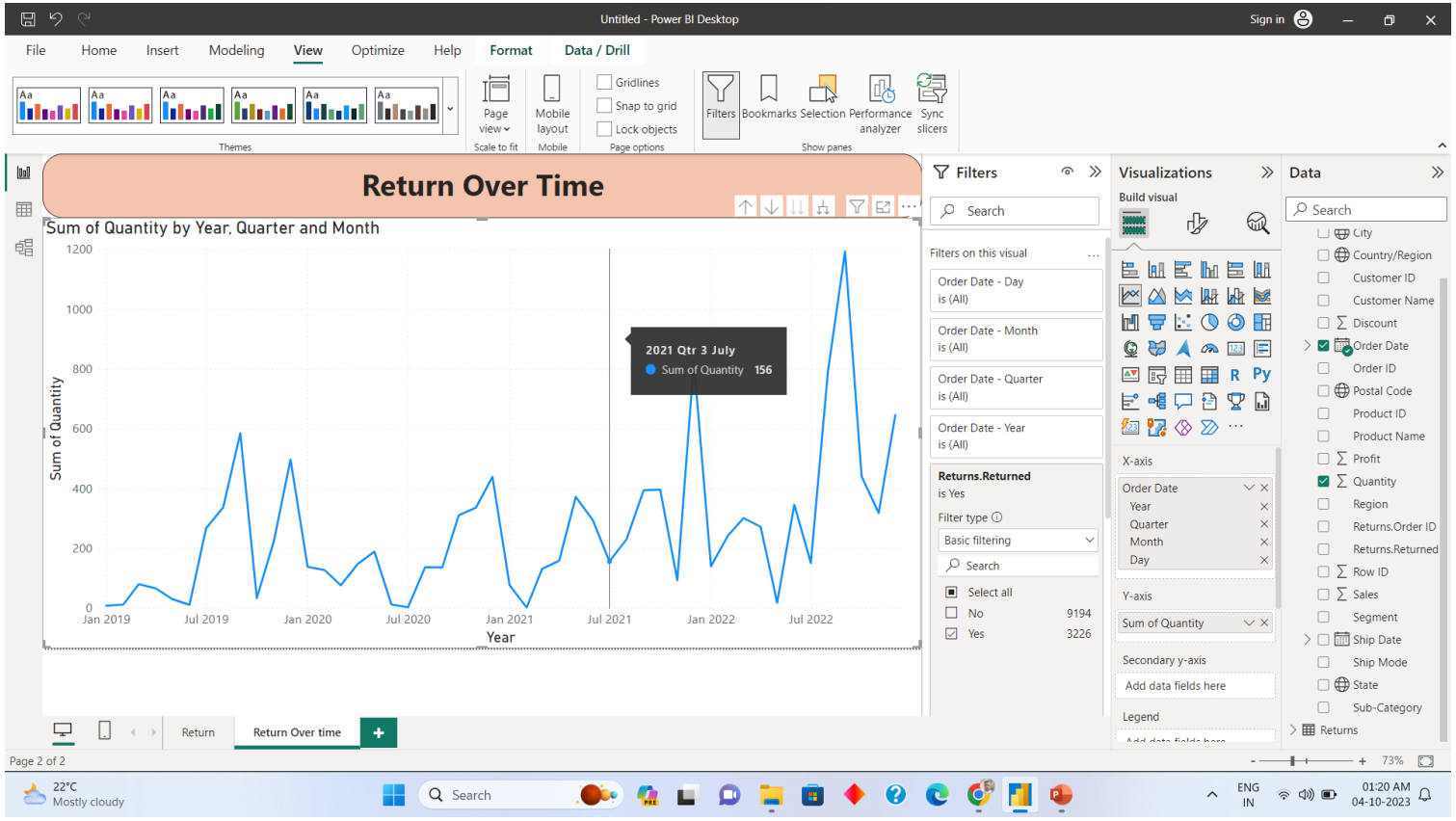
Data Modelling



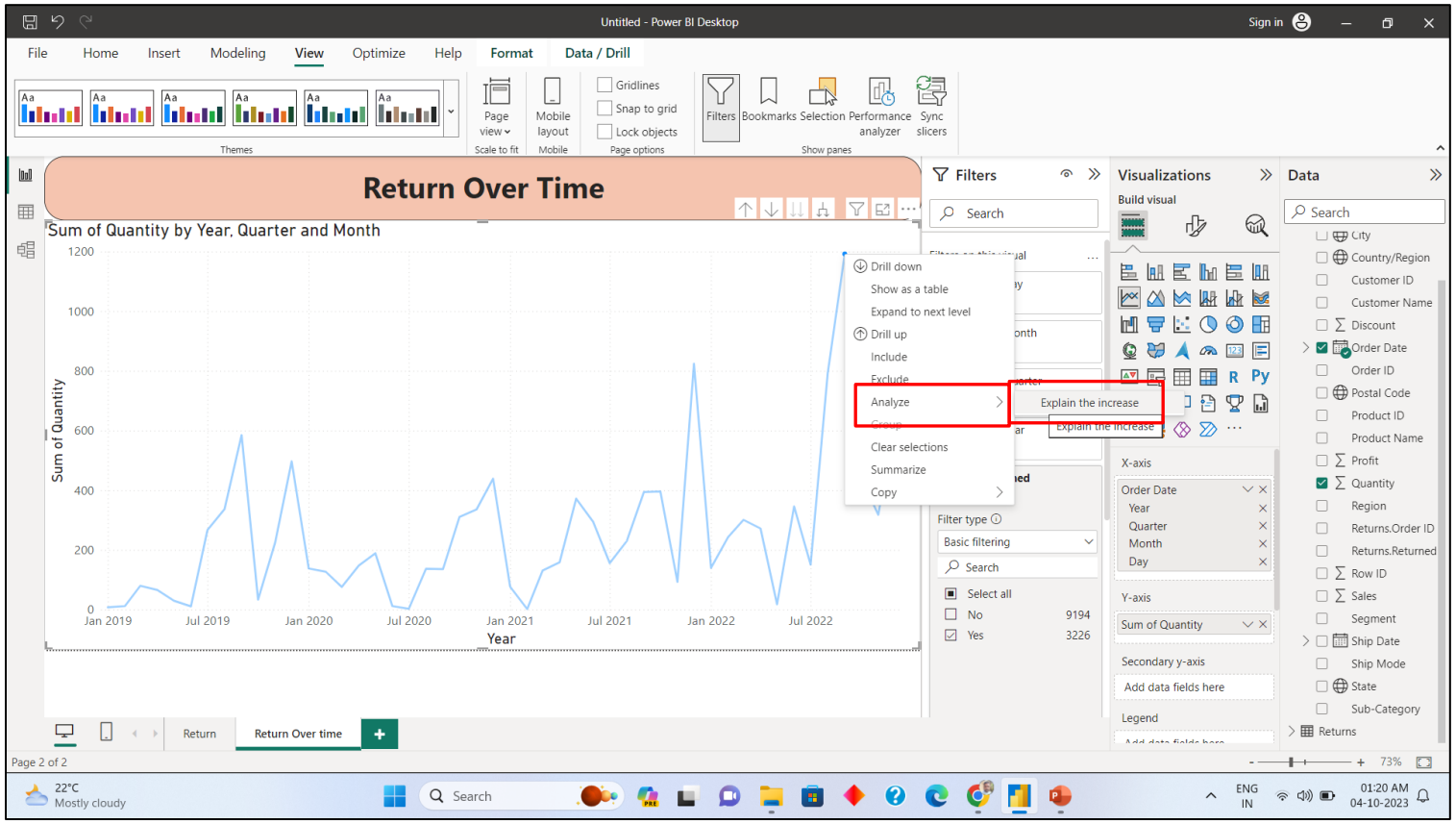
Return Analysis



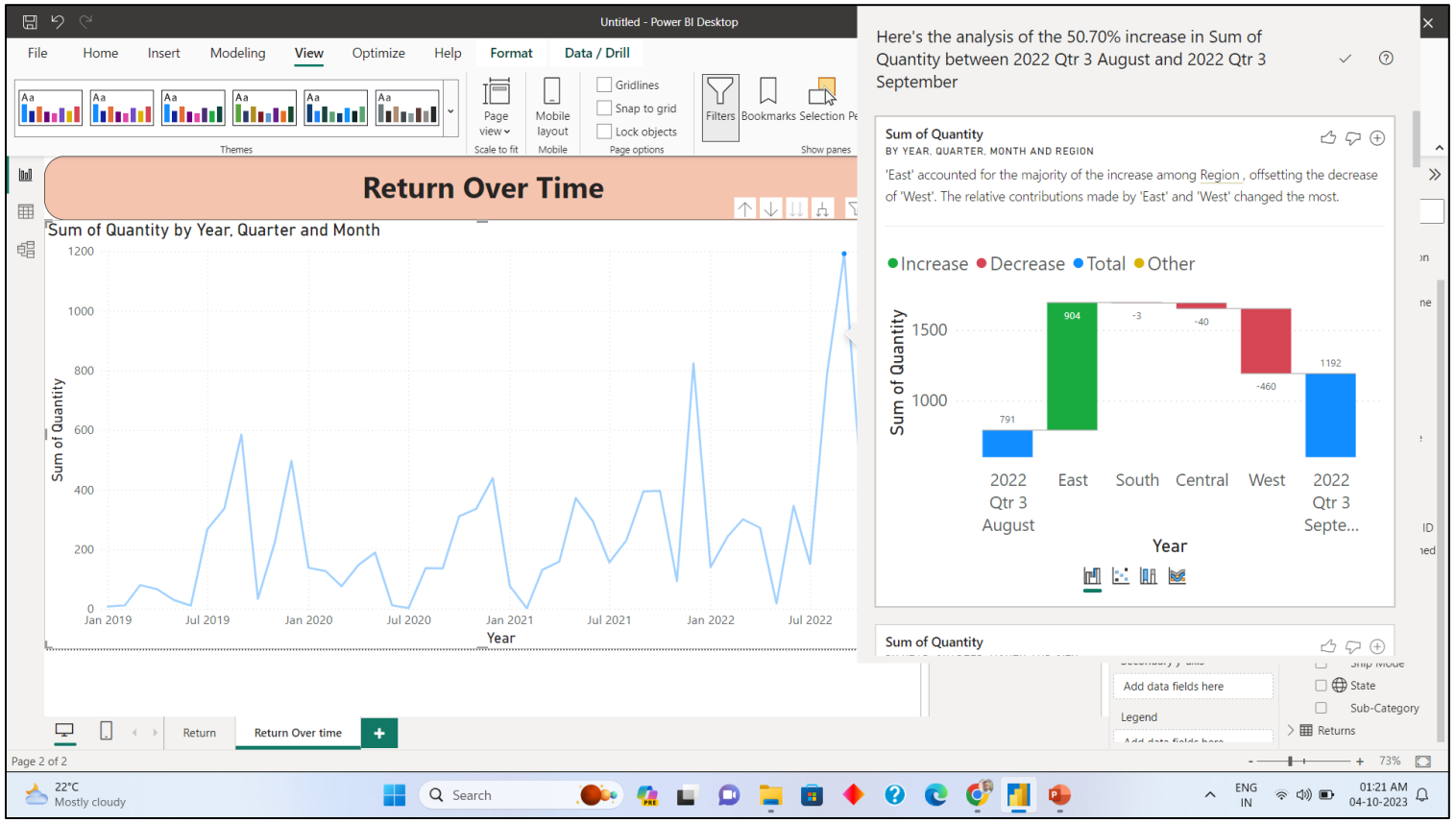
Return Quantity over Time



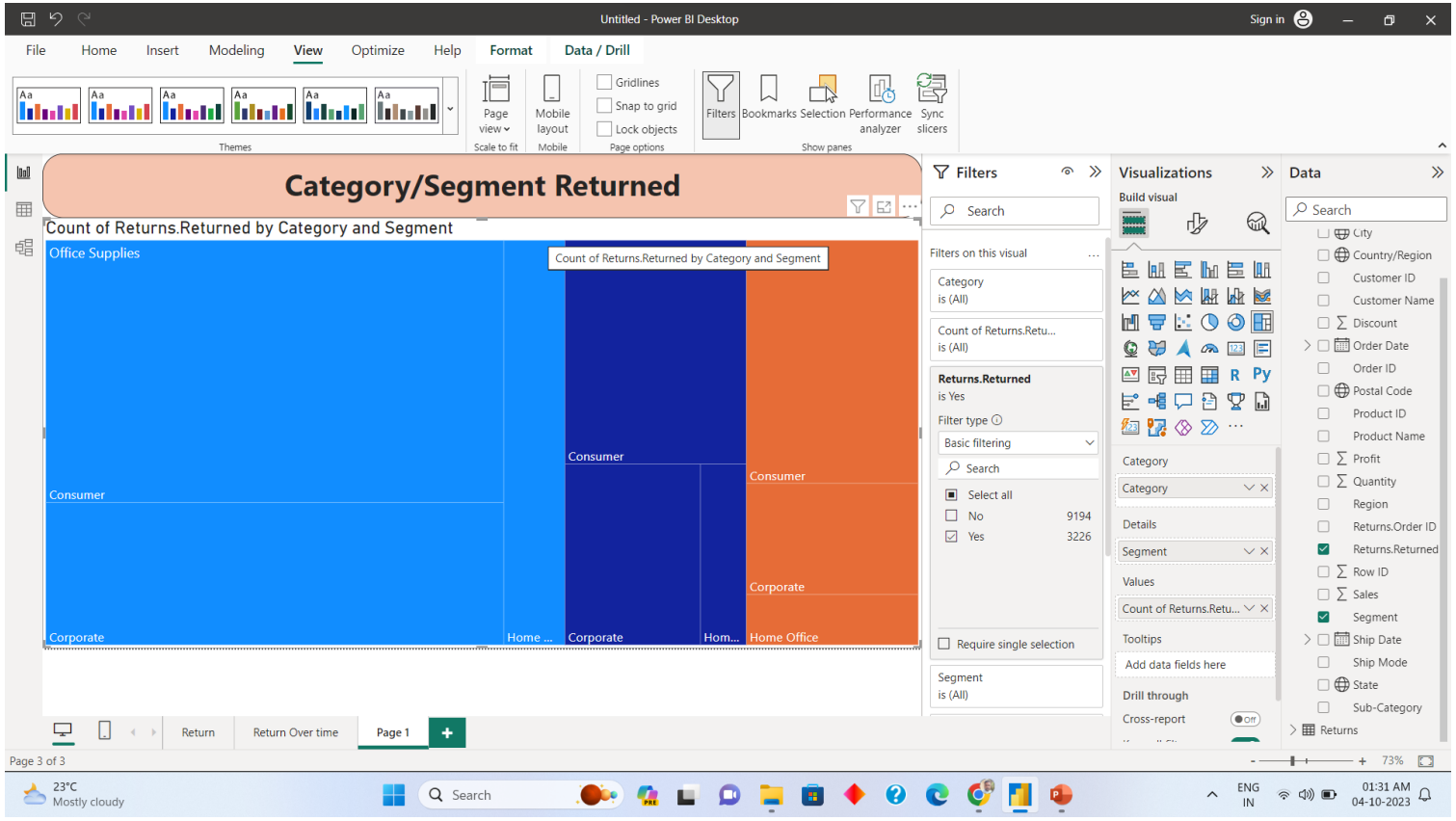
Understanding why Return Quantity increased



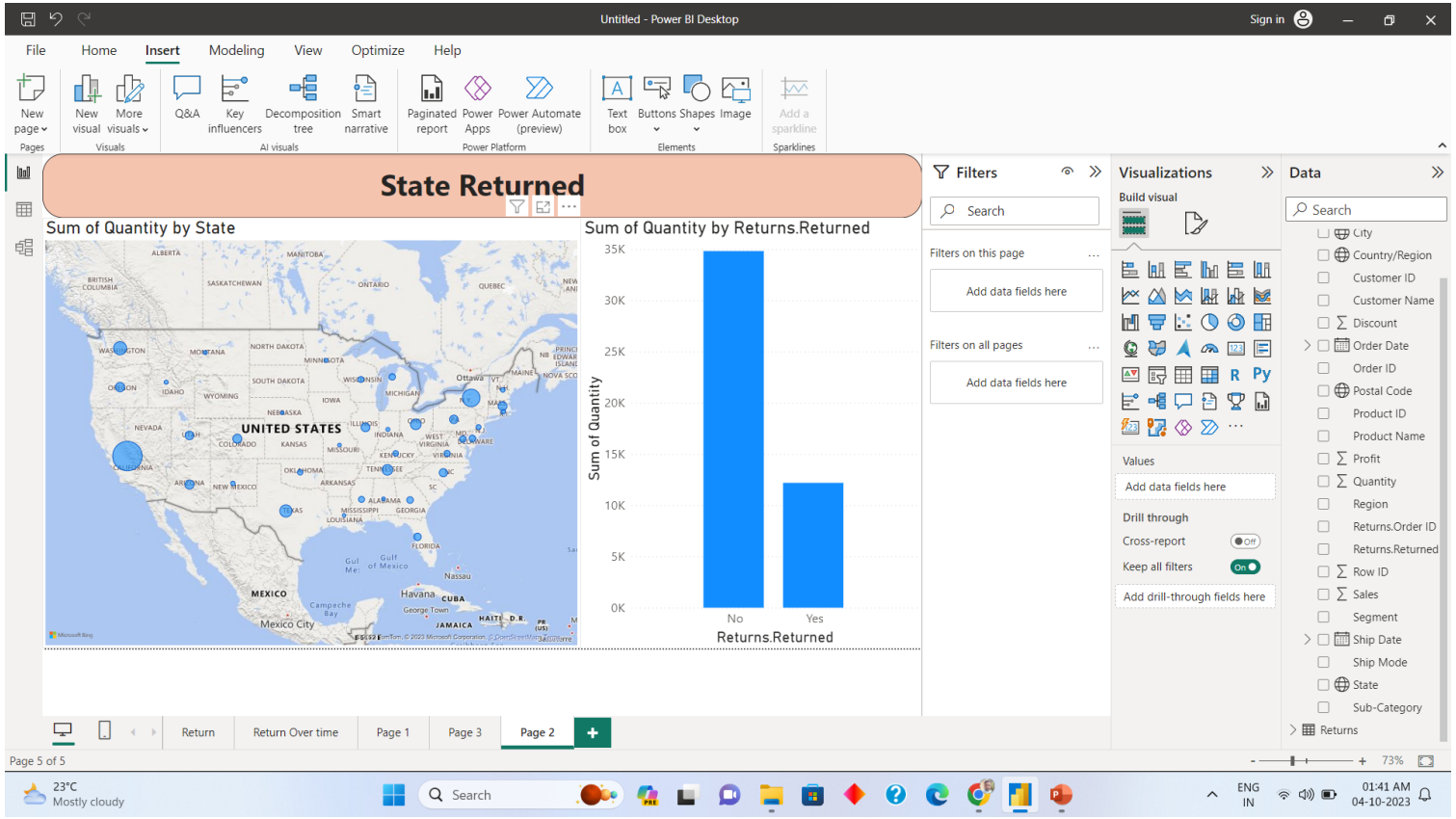
Analysis Results



Category/Segment Returns



Quantity Returned by State



Thank you

UTKARSH GAIKWAD

PING ME ON SKYPE FOR ANY QUERIES