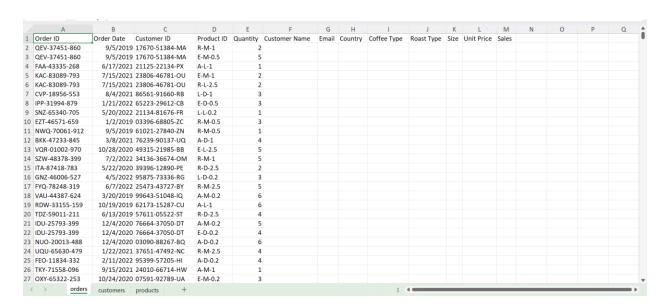
Coffee Sales Analysis

1) Raw Data:

The raw data consists of orders, customer, and products sheets.



2) Data gathering using XLOOKUP and INDEX MATCH:

As the orders tab has fields such as Customer Name, Email, Country etc. which need to be populated, we use XLOOKUP and INDEX MATCH to search this data from customers and product tabs.

XLOOKUP Formula to get Customer Name:

=XLOOKUP(orders!C2,customers!\$A\$1:\$A\$1001,customers!\$B\$1:\$B\$1001,,0)

XLOOKUP Formula to get Email:

=IF(XLOOKUP(C2,customers!\$A\$1:\$A\$1001,customers!\$C\$1:\$C\$1001,,0)=0,"",XLOOKUP(C2,customers!\$A\$1:\$A\$1001,customers!\$C\$1:\$C\$1001,,0))

XLOOKUP Formula to get Country:

=XLOOKUP(C2,customers!\$A\$1:\$A\$1001,customers!\$G\$1:\$G\$1001,,0)

Create INDEX MATCH Formula to fill Coffee Type, Roast Type, Size, Unite Price columns: =INDEX(products!\$A\$1:\$G\$49,MATCH(orders!\$D2,products!\$A\$1:\$A\$49,0),MATCH(orders!\$1,products!\$A\$1:\$G\$1,0))

To calculate Sales: Sales = Unite Price * Quantity

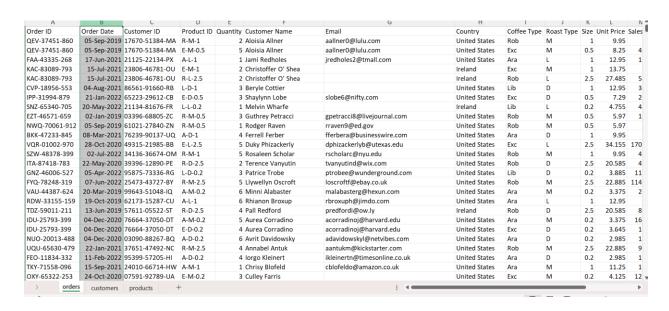
Created column coffee type name to convert the abbreviations to full names of coffee type. =IF(I2="Rob","Robusta",IF(I2="Exc","Excelsa",IF(I2="Ara","Arabica",IF(I2="Lib","Liberica",""))))

Create column roast type name:

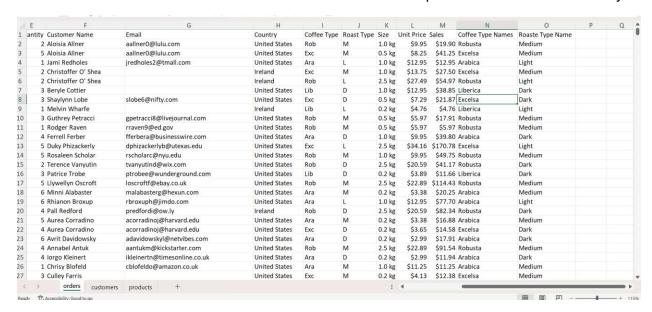
=IF(J2="M","Medium",IF(J2="L","Light",IF(J2="D","Dark","")))

	F	G	H	1	J	K	L	M	N	0	Р	Q
ty	Customer Name	Email	Country	Coffee Type	Roast Type	Size	Unit Price	Sales	Coffee Type Names	Roaste Type Name		
2	Aloisia Allner	aallner0@lulu.com	United States	Rob	M	1	9.95	19.9	Robusta	Medium		
5	Aloisia Allner	aallner0@lulu.com	United States	Exc	M	0.5	8.25	41.25	Excelsa	Medium		
1	Jami Redholes	jredholes2@tmall.com	United States	Ara	L	1	12.95	12.95	Arabica	Light		
2	Christoffer O' Shea		Ireland	Exc	M	1	13.75	27.5	Excelsa	Medium		
2	Christoffer O' Shea		Ireland	Rob	L	2.5	27.485	54.97	Robusta	Light		
3	Beryle Cottier		United States	Lib	D	1	12.95	38.85	Liberica	Dark		
3	Shaylynn Lobe	slobe6@nifty.com	United States	Exc	D	0.5	7.29	21.87	Excelsa	Dark		
1	Melvin Wharfe		Ireland	Lib	L	0.2	4.755	4.755	Liberica	Light		
3	Guthrey Petracci	gpetracci8@livejournal.com	United States	Rob	M	0.5	5.97	17.91	Robusta	Medium		
1	Rodger Raven	rraven9@ed.gov	United States	Rob	M	0.5	5.97	5.97	Robusta	Medium		
4	Ferrell Ferber	fferbera@businesswire.com	United States	Ara	D	1	9.95	39.8	Arabica	Dark		
5	Duky Phizackerly	dphizackerlyb@utexas.edu	United States	Exc	L	2.5	34.155	170.775	Excelsa	Light		
5	Rosaleen Scholar	rscholarc@nyu.edu	United States	Rob	M	1	9.95	49.75	Robusta	Medium		
2	Terence Vanyutin	tvanyutind@wix.com	United States	Rob	D	2.5	20.585	41.17	Robusta	Dark		
3	Patrice Trobe	ptrobee@wunderground.com	United States	Lib	D	0.2	3.885	11.655	Liberica	Dark		
5	Llywellyn Oscroft	loscroftf@ebay.co.uk	United States	Rob	M	2.5	22.885	114.425	Robusta	Medium		
6	Minni Alabaster	malabasterg@hexun.com	United States	Ara	M	0.2	3.375	20.25	Arabica	Medium		
6	Rhianon Broxup	rbroxuph@jimdo.com	United States	Ara	L	1	12.95	77.7	Arabica	Light		
4	Pall Redford	predfordi@ow.ly	Ireland	Rob	D	2.5	20.585	82.34	Robusta	Dark		
5	Aurea Corradino	acorradinoj@harvard.edu	United States	Ara	M	0.2	3.375	16.875	Arabica	Medium		
4	Aurea Corradino	acorradinoj@harvard.edu	United States	Exc	D	0.2	3.645	14.58	Excelsa	Dark		
6	Avrit Davidowsky	adavidowskyl@netvibes.com	United States	Ara	D	0.2	2.985	17.91	Arabica	Dark		
4	Annabel Antuk	aantukm@kickstarter.com	United States	Rob	M	2.5	22.885	91.54	Robusta	Medium		
4	lorgo Kleinert	ikleinertn@timesonline.co.uk	United States	Ara	D	0.2	2.985	11.94	Arabica	Dark		
1	Chrisy Blofeld	cblofeldo@amazon.co.uk	United States	Ara	M	1	11.25	11.25	Arabica	Medium		
3	Culley Farris		United States	Exc	M	0.2	4.125	12.375	Excelsa	Medium		

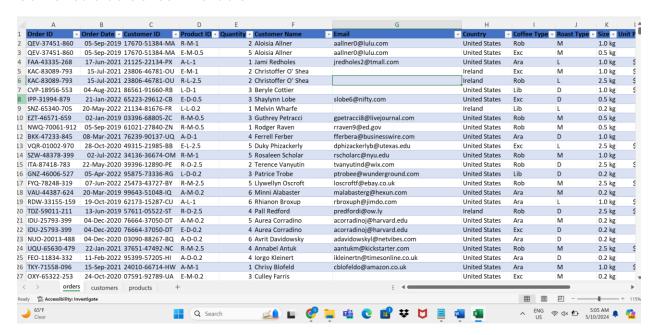
Format the Order Date format with month abbreviations:



Formatted Size column to show metric and converted unite price and sales into currency:

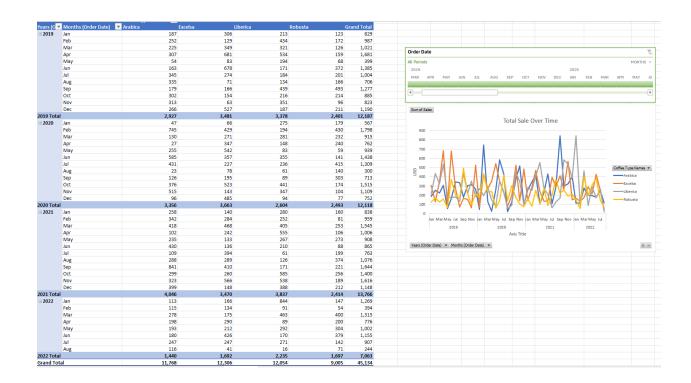


Converted orders sheet into table:



Data Analysis:

1) Total Sales Pivot Table



2)Sales by Country



3)Top 5 Customers

