

DATA BOOTCAMP
FINAL PROJECT
PRESENTATION
EXCEL, POWER BI &
MYSQL

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OBJECTIVE

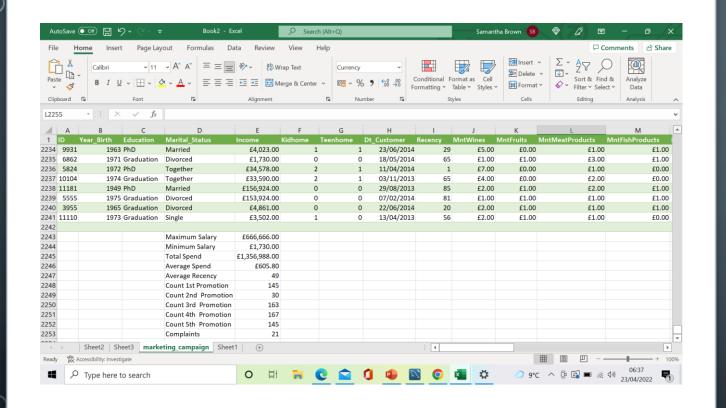
Learn how to become a data analyst

Understanding how to use analytical programs

Increase my knowledge

Upskill myself

EXCEL



The Formulas used

=MAX(marketing_campaign[lncome])

=MIN(marketing_campaign[lncome])

=SUM(P2:P2241)

=AVERAGE(P2:P2241)

=AVERAGE(marketing_campaign[Recency])

=COUNTIF(marketing_campaign[Accepted Cmp1],Y2242) (Used for all promotion type and complaints)

EXCEL- PIVOT TABLES (GROUPING AND SORTING)

1			
2			
3	Count of Total Sales		
4	Total Sales	~	Total
5	<0 or (blank)		
6	0-499		1245
7	500-999		393
8	1000-1499		356
9	1500-1999		196
10	2000-2499		47
11	2500-2999		3
12	Grand Total		2240
13			

This has grouped the sales by count, created a range function and then sorted from largest to smallest.

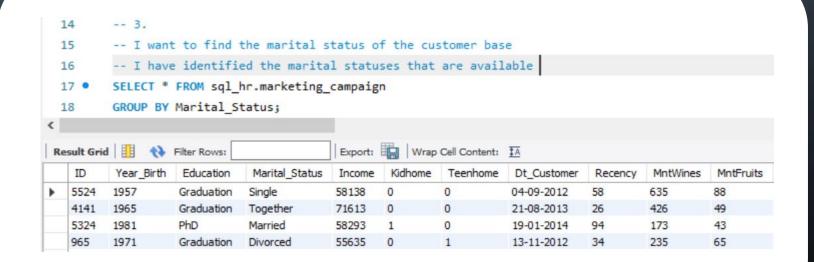
2			
3	Count of Total Sal	es	
4	Income	*	Total
5	<0 or (blank)		24
6	0-24999		242
7	25000-49999		818
8	50000-74999		797
9	75000-99999		346
10	100000-124999		5
11	150000-174999		7
12	650000-674999		1
13	Grand Total		2240
14			

This has been grouped by income, the income range was created to show the count of sales within each salary range.

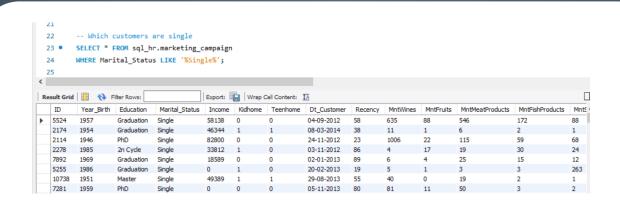
Sum of Total Sales	um of Total Sales		
Education 🚚	Total		
Graduation	£698,626.00		
PhD	£326,791.00		
Master	£226,359.00		
2n Cycle	£100,795.00		
Basic	£4,417.00		
(blank)			
Grand Total	1356988		
	Education Graduation PhD Master 2n Cycle Basic (blank)		

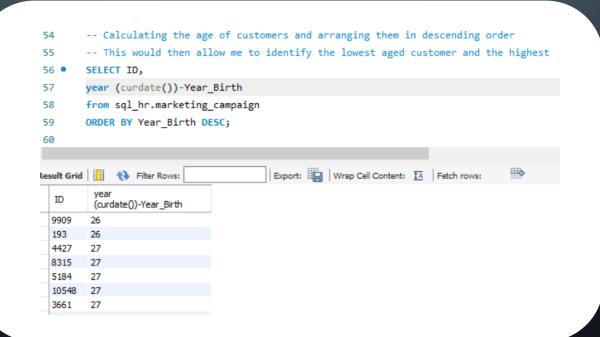
This has been grouped by education, Sum of sales, then sorted from largest to smallest.

SQL-DATA ANALYTICS



SQL-DATA ANALYTICS





SQL-DATA ANALYTICS

```
-- Calculating the age of customers and arranging them in descending order
        -- This would then allow me to identify the lowest aged customer and the highest
        SELECT ID,
        year (curdate())-Year_Birth
        from sql_hr.marketing_campaign
        ORDER BY Year Birth DESC;
                                           Export: Wrap Cell Content: A Fetch rows:
Result Grid | | Name | Filter Rows:
  ID
         (curdate())-Year_Birth
  193
  4427
  8315
  5184
         27
  10548
  3661
```

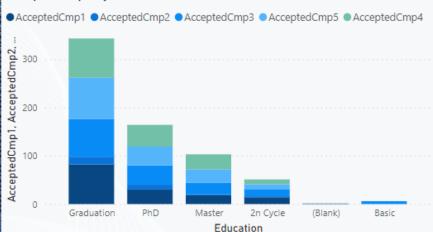
```
61 -- Group by age range using new field created
62
63 • SELECT SUM(CASE WHEN year (curdate())-Year_Birth BETWEEN 26 AND 50 THEN 1 ELSE 0 END) AS '26-50',
64 SUM(CASE WHEN year (curdate())-Year_Birth BETWEEN 51 AND 75 THEN 1 ELSE 0 END) AS '51-75',
65 SUM(CASE WHEN year (curdate())-Year_Birth BETWEEN 76 AND 129 THEN 1 ELSE 0 END) AS '76-12'
66 FROM sql_hr.marketing_campaign
67

Result Grid Filter Rows:

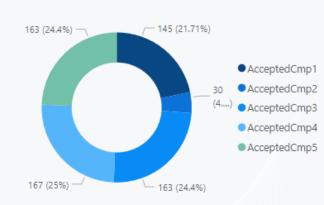
| Export: | Wrap Cell Content: | Wrap Cell Content: | A
```

POWER -BI









Marital_Status	Kidhome	Teenhome
Married	394	442
Together	261	307
Single	223	195
Divorced	96	137
Widow	18	49
Alone	3	2
Absurd	0	0
YOLO	0	2
Total	995	1134

NumCatalogPurchases, NumDealsPurchases, NumStorePurchases, NumWebPurchases and NumWebVisitsMonth



