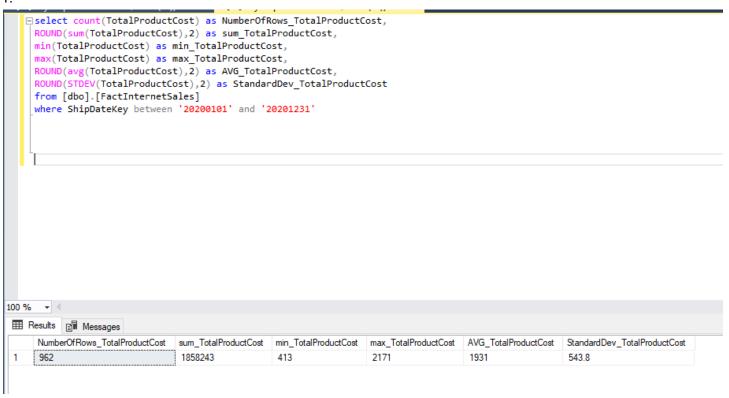
Dr. Dallas Snider

Assignment 3

1.



```
☐ select count(TotalProductCost) as NumberOfRows_TotalProductCost,

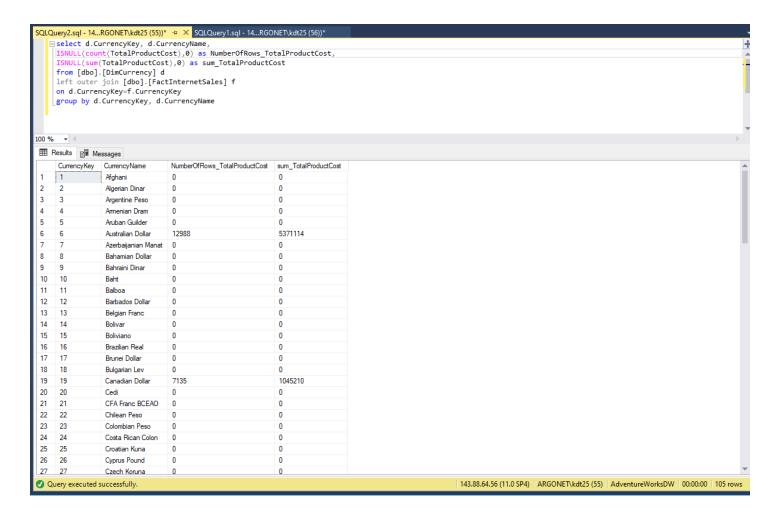
     ROUND(sum(TotalProductCost),2) as sum_TotalProductCost,
     min(TotalProductCost) as min_TotalProductCost,
     max(TotalProductCost) as max_TotalProductCost,
     ROUND(avg(TotalProductCost),2) as AVG_TotalProductCost,
     {\tt ROUND(STDEV(TotalProductCost),2)} \ \ {\tt as} \ \ {\tt StandardDev\_TotalProductCost}
     from [dbo].[FactInternetSales]
     where ShipDate between '2020-01-01' and '2020-12-31'
100 % +
Results 🗐 Messages
      NumberOfRows TotalProductCost
                                  sum TotalProductCost min TotalProductCost max TotalProductCost AVG TotalProductCost
                                                                                                               StandardDev TotalProductCost
                                  1858243
                                                     413
                                                                        2171
                                                                                            1931
      962
                                                                                                                543.8
```

3.

```
| Select count(TotalProductCost) as NumberOfRows_TotalProductCost,
| ROUND(sum(TotalProductCost),2) as sum_TotalProductCost,
| min(TotalProductCost) as min_TotalProductCost,
| max(TotalProductCost) as max_TotalProductCost,
| ROUND(ayg(TotalProductCost),2) as AVG_TotalProductCost,
| ROUND(STDEV(TotalProductCost),2) as StandardDev_TotalProductCost
| from [dbo].[FactInternetSales] f
| JOIN [dbo].[DimDate] AS d ON f.ShipDateKey = d.DateKey
| WHERE d.FiscalYear = '2020'

| Results | Messages | M
```

100 %	• 4			
⊞ F	Results 🖺 Messages	3		
	spanishmonthname	yearMonth	NumberOfRows_TotalProductCost	sum_TotalProductCost
1	Julio	202107	246	330127
2	Agosto	202108	266	310923
3	Septiembre	202109	221	237665
4	Octubre	202110	227	239175
5	Noviembre	202111	182	192729
6	Diciembre	202112	326	326249
7	Enero	202201	263	272977
8	Febrero	202202	258	272364
9	Marzo	202203	271	278404
10	Abril	202204	277	284026
11	Mayo	202205	331	318303
12	Junio	202206	330	325607
	odi no	202200		020007



00 %	, •			
III	Results Messages			
	EnglishCountryRegionName	EnglishOccupation	NumberOfRows_TotalProductCost	sum_TotalProductCost
1	Australia	Clerical	549694	161725332
2	Australia	Management	1035273	308508553
3	Australia	Manual	304545	87983188
4	Australia	Professional	1545403	452636761
5	Australia	Skilled Manual	976826	280656421

```
| ISNULL(a.shipdatekey,0) ShipDate, | ISNULL(Sum_TotalProductCost,0) Sum_TotalProductCost, | ISNULL(Count_TotalProductCost,0) Count_TotalProductCost | from (select ShipDateKey,sum(TotalProductCost) Sum_TotalProductCost from [dbo].[FactInternetSales] | group by ShipDateKey | having sum(TotalProductCost) > 45000) a | full outer join (select ShipDateKey, count(TotalProductCost) as Count_TotalProductCost from [dbo].[FactInternetSales] | group by ShipDateKey | having count(TotalProductCost) > 200) b | on a.shipdatekey = b.shipdatekey | group by a.ShipDateKey,Sum_TotalProductCost,Count_TotalProductCost | order by a.shipdatekey | sashipdatekey | order by a.shipdatekey | sashipdatekey | sashipdatekey
```

Results Messages

	Ship Date	Sum_TotalProductCost	Count_TotalProductCost
1	0	0	201
2	0	0	207
3	0	0	209
4	0	0	218
5	0	0	222
6	0	0	246
7	20221214	46452	241
8	20230227	47413	237
9	20230228	50582	308
10	20230504	48432	0
11	20230508	48745	220
12	20230527	46142	0
13	20230613	48503	216
14	20230614	51756	227
15	20230618	45649	238
16	20230621	56815	263
17	20230628	49468	219
18	20230702	45641	0
19	20230705	46360	220

```
--Bar Chart Query
     --Internet Sales by Fiscal Year for Bikes
     --Display the fiscal year on the horizontal axis
     --Display total product cost on the vertical axis
   select d.fiscalyear as [Fiscal Year],
     round(sum(isnull(totalproductcost,0)),0) as TotalProductCost
     from dbo.factinternetsales s
     inner join dbo.dimdate d on s.orderdatekey=d.datekey
     inner join dbo.DimProduct p on s.ProductKey=p.ProductKey
     inner join dbo.DimProductSubcategory sc on p.ProductSubcategoryKey=sc.ProductSubcategoryKey
     where sc.ProductCategoryKey=1
     group by d.FiscalYear
     order by d.FiscalYear
100 % 🕶 🖪
Results 📳 Messages
               TotalProductCost
     Fiscal Year
     2020
               4228386
 1
2
     2021
                3368494
3
     2022
                9217098
```

9.

```
SQLQuery1.sql - 14...RGONET\kdt25 (57))* → ×

☐ select sc.englishproductsubcategoryname as Product SubCategory,

     sum(isnull(totalproductcost,0)) as Sum_Productcost,
     round(sum(isnull(totalproductcost,0))/sum(sum(isnull(totalproductcost,0))) over (), 2) as PercentagePerBike
     from dbo.dimproductsubcategory sc
     inner join
     (select p.productsubcategorykey, totalproductcost, d.CalendarYear
     from dbo.FactInternetSales s1
     inner join dbo.dimdate d on s1.orderdatekey=d.DateKey
     inner join dbo.DimProduct p on s1.productkey=p.productkey
     inner join dbo.DimProductSubcategory sc on p.productsubcategorykey=sc.productsubcategorykey
     and sc.productcategorykey=1
     and d.fiscalyear=2020)
     as s on sc.ProductSubcategoryKey=s.productsubcategorykey
     group by sc.EnglishProductSubcategoryName
     order by sc.EnglishProductSubcategoryName
100 %
 Results Messages
                       Sum_Productcost
     Product_SubCategory
                                      Percentage PerBike
     Mountain Bikes
                        754244.74
                                      0.18
 2
      Road Bikes
                        3474676.64
                                      0.82
```