DAX: CALCULATE()
Practices, one table

- **[Total Male Customers], for each occupation**

```
Total M CTM = CALCULATE([Total Occupation],Customers[Gender] == "M")
```

- **[Total Customers Born Before 1970], use DATE() function for creating date reference, for each occupation**

```
years BF 1970 = CALCULATE([Total Occupation],Customers[BirthDate]<=
DATE(1970,01,1))
```

- **[Customers earning at least $100,000 per year], for each occupation**

```
Total yearlyIncome least 100000 per year = CALCULATE([Total
Occupation],Customers[YearlyIncome]>=100000)
```

Occupation	Total yearlyIncome least 100000 per year	Total M CTM	years BF 1970
⊞ Clerical		1488	433
⊞ Manual		1251	134
⊞ Skilled Manual		2293	234
⊞ Professional	792	2727	609
⊞ Management	1406	1592	1543
Total	**2198**	**9351**	**2953**

DAX: CALCULATE()
Practices, multiple table

- Use Region as Row Header
- [Total Sales] as a reference, not use CALCULATE

```
Sales Amount = SUM(Sales[SalesAmount])
```

Region	SalesAmount	Totalsale cloth	Sales Female Customers
Australia	9,061,000.58	70,259.95	4,634,992.86
Canada	1,977,844.86	53,164.62	1,011,319.99
Central	3,000.83	156.96	123.72
France	2,644,017.71	27,035.22	1,271,964.11
Germany	2,894,312.34	23,565.40	1,539,713.30
Northeast	6,532.47	105.97	3,836.02
Northwest	3,649,866.55	58,230.43	1,843,586.21
Southeast	12,238.85	300.94	11,937.94
Southwest	5,718,150.81	74,713.61	2,881,098.24
United Kingdom	3,391,712.21	32,239.51	1,615,046.29
Total	**29,358,677.22**	**339,772.61**	**14,813,618.68**

- [Total Sales of Clothing], for Region

```
Totalsale cloth = CALCULATE(SUM(Sales[SalesAmount]),Products[Category]== "Clothing")
```

- [Sales to Female Customers]

```
Sales Female Customers = CALCULATE(SUM(Sales[SalesAmount]),Customers[Gender] == "F")
```