

Text and Numeric Fields:

1.)

Create State City Field:

Concatenate City and State into one Field:

CONCAT(City, "-", State)

2.)

Abbreviated Product:

Create a field which transforms the Product's name reducing common fields to abbreviation

Men's-M, Women's-W, Footwear-F:

REPLACE(REPLACE(REPLACE(Product, "Men's", 'M'), "Women's", 'W'), 'Footwear', 'F')

3.)

Cost & Cost Per Unit:

Create total cost and cost per unit fields:

Cost:

Total Sales - Operating Profit

Cost per Unit:

Cost/Units Sold

4.)

Average Cost:

Create an average cost pre-aggregated field:

Total Sales - Operating Profit

Conditional and Date Functions:

1.)

Seasons:

Create a field which identifies the season (Summer, Winter, Spring And Autumn) a sale has taken place

```
CASE Months
WHEN 1 THEN "Winter"
WHEN 2 THEN "Winter"
WHEN 3 THEN "Spring"
WHEN 4 THEN 'Spring'
WHEN 5 THEN 'Spring'
WHEN 6 THEN 'Summer'
WHEN 7 THEN 'Summer'
WHEN 8 THEN 'Summer'
WHEN 9 THEN 'Autumn'
WHEN 10 THEN 'Autumn'
WHEN 11 THEN 'Autumn'
WHEN 12 THEN 'Winter'
END
```

2.)

Day of Week:

Create a day of the week with a 3 letter format

```
CASE Days
WHEN 1 THEN 'Mon'
WHEN 2 THEN 'Tues'
WHEN 3 THEN 'Wed'
WHEN 4 THEN 'Thurs'
WHEN 5 THEN 'Fri'
WHEN 6 THEN 'Sat'
WHEN 7 THEN 'Sun'
END
```

3.)

Golden Sales:

Create a calculated field that identifies Golden Sales as sales with an operating margin of over 40 percent and over 700 units sold:

IF (**Units Sold** > 700, IF (**Operating Margin** > 0.40, "Yes", "No"), "No")

4.)

Month Year:

Create a calculated fields to show the Month and Year where a sale was made:

CONCAT(**Months**, "-", **Years**)

Groups and Bins:

1.)

Sales Value Bin:

Create a field that holds 5 bins driven by the Sales Value fields:

2.)

Product Groups:

Group 1 - footwear, apparel and athletic

Group 2 - Sales Gender - Male or Female