Calculating On-time delivered orders ratio

```
On Time Deliverty Ratio =
    var delayed_orders =
        CALCULATE(
              COUNTROWS(Fact_orders), FILTER(Fact_orders,Fact_orders[Delay] <= 0)
                )
VAR Total_Orders = COUNT(Fact_orders[Order Id])
VAR Delay_Ratio_1= delayed_orders / Total_orders
RETURN Delay_Ratio_1
```

Calculating Delay ratio

```
Delay Ratio =
COALESCE(
    CALCULATE(
            COUNTROWS(Fact_orders),
            Fact_orders[Days for shipment (scheduled)]<Fact_orders[Days for shipping (real)])
            /  count(Fact_orders[Order Id]),0)
```

Average delay for orders

```
Average delay =
    AVERAGEX(
    Fact_orders,
            Fact_orders[Days for shipping (real)] - Fact_orders[Days for shipment
(scheduled)]
    )
```

Calculate Forcasted sales for the next year

```
Forecast Next Year =
    VAR EndYear = CALCULATE( MAX(Dim_dates[order date (DateOrders)]),filter(Dim_dates,
YEAR(Dim_dates[order date (DateOrders)])<> 2018))
    var EndValue =
        CALCULATE(
            sum(Fact_orders[Sales]),
         FILTER('Dim_dates',Dim_dates[order date (DateOrders)]= EndYear)
        )
    VAR CAGRValue = [CAGR Sales]

    RETURN
        EndValue * (1 + CAGRValue)
```

Calculate CAGR for sales

```
CAGR =
    VAR StartYear = MINX( FILTER('Dim_dates', 'Dim_dates'[Year] <> 2018),'Dim_dates'[Year] )
    VAR EndYear = MAXX(FILTER('Dim_dates', 'Dim_dates'[Year] <> 2018),'Dim_dates'[Year])

    VAR StartValue =
        CALCULATE(
            SUM('Fact_orders'[Sales]),
            FILTER('Dim_dates', 'Dim_dates'[Year] = StartYear)
    )

    VAR EndValue =
        CALCULATE(
            SUM('Fact_orders'[Sales]),
            FILTER('Dim_dates', 'Dim_dates'[Year] = EndYear)
        )

    VAR NumberOfYears = EndYear - StartYear

    RETURN
    IF(
        AND(StartValue > 0, NumberOfYears > 0),
        (EndValue / StartValue) ^ (1 / NumberOfYears) - 1,
            BLANK()
        )
```