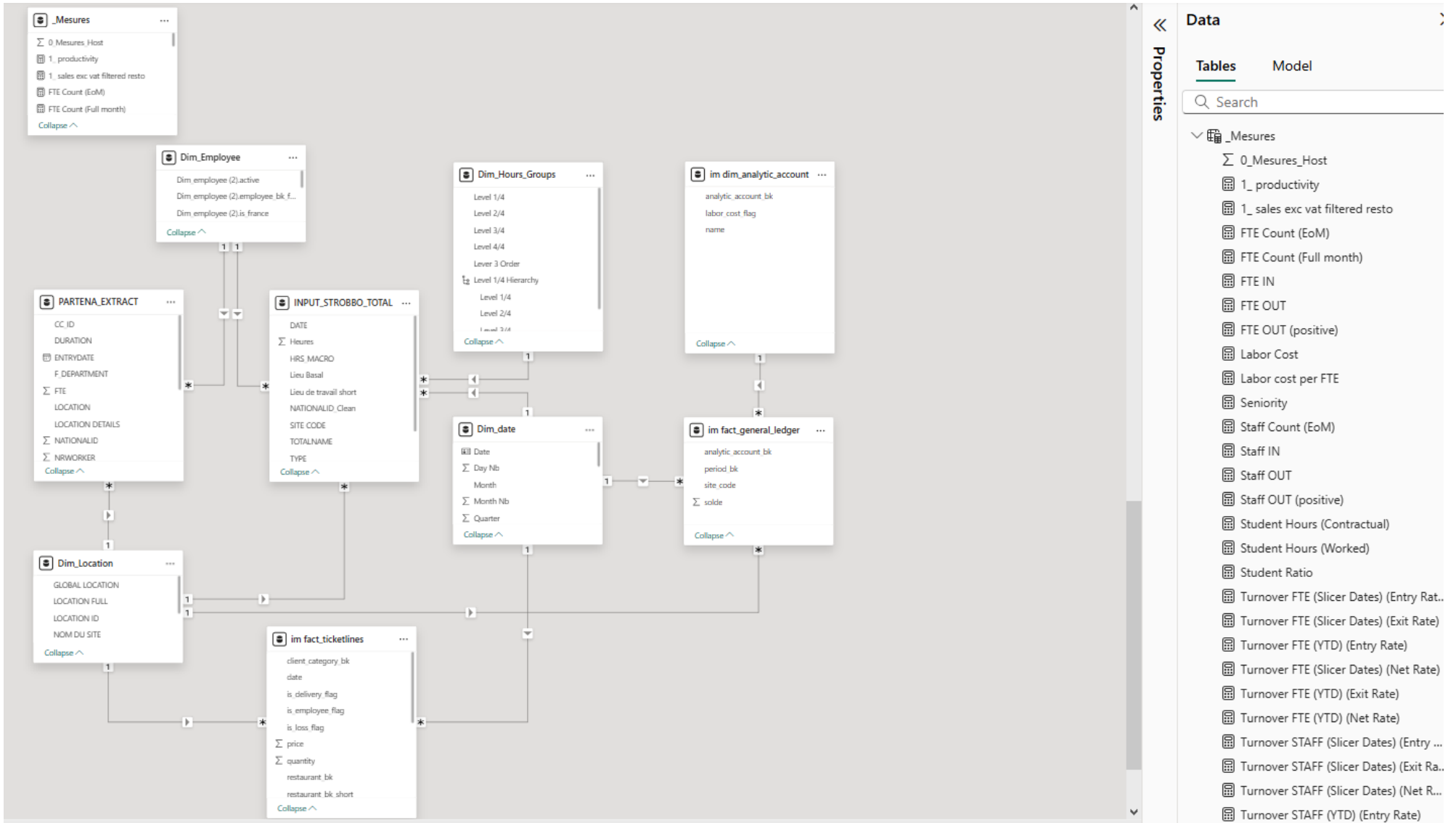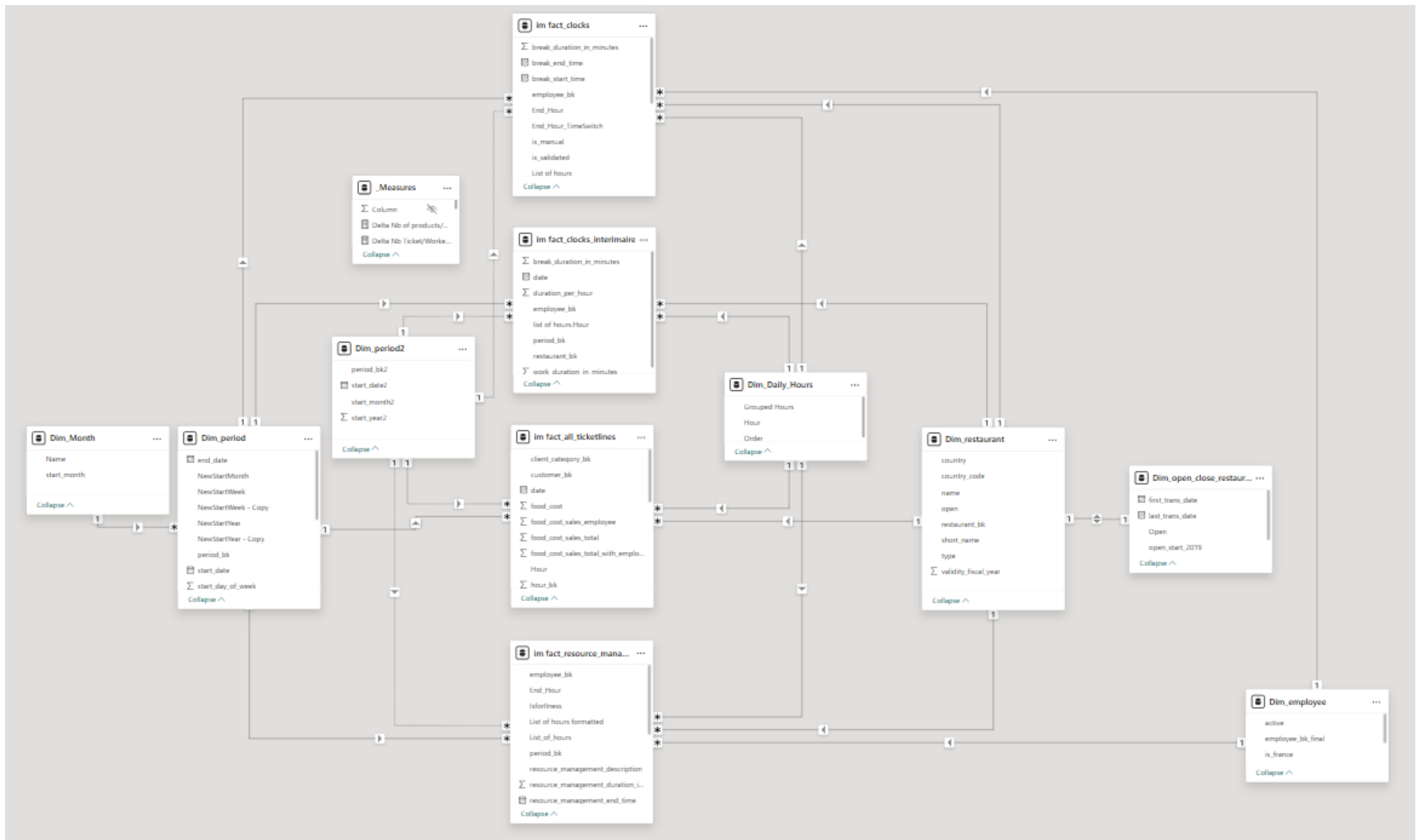# 1. Semantic models

2. Dax examples

```
1  fragmentation Average_Max Price (avec promo) (avec VAT) =
2  VAR MaxPrice = ROUND([Price Max Spent  (inc. VAT) (avec promo)],2)
3  VAR AvgPrice = ROUND([Price Avg spent (incl. VAT) (avec promo)],2)
4  VAR Result =
5      CALCULATE(
6          COUNTROWS(
7              FILTER(
8                  VALUES('im dim_product'[Product FullName]),
9                  ROUND([Price Avg spent (incl. VAT) (avec promo)],2) > AvgPrice &&
0                  ROUND([Price Avg spent (incl. VAT) (avec promo)],2) < MaxPrice
1              )
2          )
3      )
4
5  RETURN
6  IF(
7      ISBLANK(Result) || Result = 0,
8      "",
9      Result
0  )
1
```

```
1  Average Contribution Margin (avec promo) = DIVIDE(
2      CALCULATE(
3          [Total Contribution Margin (avec promo)],
4          ALLSELECTED('im dim_product'[Product FullName])
5
6      ),
7      CALCULATE(
8          SUM('im fact_ticketlines'[quantity]),
9          ALLSELECTED('im dim_product'[Product FullName])
10     )
11 )
12 )
```

```
1  Net Sales Period 2 =
2  CALCULATE(
3      SUM('im fact_all_ticketlines'[sales_excl_vat]),
4      ALL(Dim_period),
5      USERELATIONSHIP(Dim_period2[period_bk2], 'im fact_all_ticketlines'[period_bk
5  )
```

```
1  FTE IN =
2  VAR MaxPERDate = MAX(PARTENA_EXTRACT[PER])
3  VAR CurrentDimDate = MAX(Dim_Date[Date])
4
5  RETURN
6  IF (
7      CurrentDimDate <= MaxPERDate,
8      CALCULATE(
9          SUM(PARTENA_EXTRACT[FTE]),
10         PARTENA_EXTRACT[PER] = EOMONTH(CurrentDimDate, 0),
11         PARTENA_EXTRACT[ENTRYDATE] >= EOMONTH(CurrentDimDate, -1) + 1 &&
12         PARTENA_EXTRACT[ENTRYDATE] <= EOMONTH(CurrentDimDate, 0)
13     ),
14     // case 2: When Dim_Date is greater than MAX PER date, only calculate the FTE IN from the latest PER (with the adequate date filters)
15     CALCULATE(
16         SUM(PARTENA_EXTRACT[FTE]),
17         PARTENA_EXTRACT[PER] = EOMONTH(MaxPERDate, 0),
18         PARTENA_EXTRACT[ENTRYDATE] >= EOMONTH(CurrentDimDate, -1) + 1 &&
19         PARTENA_EXTRACT[ENTRYDATE] <= EOMONTH(CurrentDimDate, 0)
20     )
21 )
```

```
Turnover FTE  (Slicer Dates) (Entry Rate) =

DIVIDE(
    CALCULATE(
        SUMX(
            VALUES(Dim_date[Month]),
            [FTE IN]
        ),
        Dim_date[Month Nb] >= MONTH(Min(PARTENA_EXTRACT[PER])),
        Dim_date[Month Nb] <= MONTH(Max(PARTENA_EXTRACT[PER]))

    ),


    (
    VAR MinSlicerDate = EOMONTH(MIN(Dim_date[date]), 0)
    VAR MinPER = MIN(PARTENA_EXTRACT[PER])
    VAR SelectedPER = IF(MinSlicerDate < MinPER, MinPER, MinSlicerDate)

    RETURN
        CALCULATE(
            SUM(PARTENA_EXTRACT[FTE]),
            PARTENA_EXTRACT[PER] = SelectedPER,
            NOT (
                PARTENA_EXTRACT[ENTRYDATE] >= EOMONTH(SelectedPER, -1) + 1 &&
                PARTENA_EXTRACT[ENTRYDATE] <= EOMONTH(SelectedPER, 0)
            )
        )

    ),

    BLANK()
```