MEASURES

1. Average age

```
AVG Age =
CALCULATE(
  AVERAGEX(
    FILTER(
      Employees,Employees[HireDate] <= MAX('Date'[Date])
      &&(ISBLANK(Employees[TerminDate])
     || Employees[TerminDate] > MAX('Date'[Date]))),
    Employees[Age])
```

2. Average yearly salary

```
AVG yearly Salary =
CALCULATE(
  AVERAGEX(
    FILTER(
      Employees,Employees[HireDate] <= MAX('Date'[Date])
      &&(ISBLANK(Employees[TerminDate])
     || Employees[TerminDate] > MAX('Date'[Date]))),
    Employees[Salary])
)
```

3. Headcounts

```
Headcounts =
CALCULATE(
  COUNTX(
    FILTER(
      Employees,Employees[HireDate] <= MAX('Date'[Date])
      &&(ISBLANK(Employees[TerminDate])
     || Employees[TerminDate] > MAX('Date'[Date]))),
    Employees[EmpID])
```

4. Hires

```
Hires =
CALCULATE(
  COUNT(Employees[EmpID]),
  USERELATIONSHIP((Employees[HireDate]),'Date'[Date])
)
```

5. Leavers

```
Leavers =
CALCULATE(
  COUNTROWS(filter(Employees,Employees[TerminDate]<>Blank())),
  USERELATIONSHIP((Employees[TerminDate]),'Date'[Date])
)
```

6. Turnover ratio

```
Turnover Ratio = Divide([Leavers],[Headcounts],BLANK())
```

Calendar Table

1. Date table
 	
 Date =
 ADDCOLUMNS(
   CALENDAR(DATE(2010, 1, 1), DATE(2023, 12, 31)),
   "Year", YEAR([Date]),
   "Month Number", MONTH([Date]),
   "Month", FORMAT([Date], "MMMM"),
   "Quarter", QUARTER([Date])
)