Power BI DAX Measures for Housing Data Analysis  
  
**1.Average Price SQM**  
  
 Average Price SQM = AVERAGE(Housing[sqm\_price])

**2.Last 12 Month Sale**s

Last 12 Month Sales =

CALCULATE(

    SUM(Housing[purchase\_price]),

    DATESINPERIOD(

        Housing[date],

        MAX(Housing[date]),

        -12,

        MONTH

    )

)

**3.Median Sales Price Change**   
  
Median Sales Price Change =

VAR CurrMedianPrice =

    MEDIANX(

        FILTER(

            Housing,

            YEAR(Housing[date]) = YEAR(MAX(Housing[date]))

        ),

        Housing[purchase\_price]

    )

VAR PrevMedianPrice =

    MEDIANX(

        FILTER(

            Housing,

            YEAR(Housing[date]) = YEAR(MAX(Housing[date])) - 1

        ),

        Housing[purchase\_price]

    )

RETURN

IF(

    PrevMedianPrice <> 0,

    (CurrMedianPrice - PrevMedianPrice) / PrevMedianPrice,

    BLANK()

)

**4.Offer to SQM Ration**  
  
Offer to SQM Ration = DIVIDE(SUM(Housing[Offer Price]),SUM(Housing[sqm]))  
  
**5.Sales by Region**  
  
Sales by Region =

CALCULATE(

    SUM(Housing[purchase\_price]),

    ALLEXCEPT(Housing, Housing[region])

)

**6.TotalYtd Sales**  
  
TotalYtd Sales = TOTALYTD(SUM(Housing[purchase\_price]),Housing[date].[Date])  
  
**7.Units sold in latest Year & Quarter**  
Units sold in latest Year & Quarter =

CALCULATE(

    DISTINCTCOUNT(Housing[house\_id]),

    YEAR(Housing[date]) = YEAR(MAX(Housing[date])) &&

    QUARTER(Housing[date]) = QUARTER(MAX(Housing[date]))

)  
  
**8.YOY\_Sales\_Growth**  
  
YOY\_Sales\_Growth =

VAR CurrYearSales =

    CALCULATE(

        SUM(Housing[purchase\_price]),

        YEAR(Housing[date]) = YEAR(MAX(Housing[date]))

    )

VAR PrevYearSales =

    CALCULATE(

        SUM(Housing[purchase\_price]),

        YEAR(Housing[date]) = YEAR(MAX(Housing[date])) - 1

    )

RETURN

IF(

    PrevYearSales <> 0,

    (CurrYearSales - PrevYearSales) / PrevYearSales,

    BLANK()

)