

DAX

1- Open Value:-

```
Open_Value = var dt = [Latest]
RETURN
CALCULATE(SUM('Stocks Data'[Open]),'Stocks Data'[Date]=dt)
```

2- Close Value:-

```
Close_Value = var dt = [Latest]
RETURN
CALCULATE(SUM('Stocks Data'[Close]),'Stocks Data'[Date]=dt)
```

3- Open Close Difference:-

```
Open_Close_Diff = [Open_Value]-[Close_Value]
```

4- Percentage Difference:-

```
Diff_% = DIVIDE([Open_Close_Diff],[Open_Value])
```

5- Latest:-

```
Latest = CALCULATE(MAX('Stocks Data'[Date]),'Stocks Data'[Volume]<>BLANK())
```

6- Date Category:-

```
Date Category =
VAR TodayDate = TODAY()
VAR StartOfYears = DATE(YEAR(TodayDate), 1, 1)
VAR FiveDaysAgo = TodayDate - 7
VAR ThreeMonthsAgo = EOMONTH(TodayDate, -3) + 1
VAR SixMonthsAgo = EOMONTH(TodayDate, -6) + 1
VAR OneYearAgo = EOMONTH(TodayDate, -12) + 1
VAR FiveYearsAgo = EOMONTH(TodayDate, -60) + 1
VAR MaxDate = CALCULATE(MAX('Stocks Data'[Date]), ALL('Stocks Data'[Date]))

RETURN
SWITCH(
    TRUE(),
    'Stocks Data'[Date] > TodayDate, "Future",
    'Stocks Data'[Date] >= TodayDate, "Today",
    'Stocks Data'[Date] >= FiveDaysAgo && 'Stocks Data'[Date] < TodayDate, "5D",
    'Stocks Data'[Date] >= ThreeMonthsAgo && 'Stocks Data'[Date] < TodayDate, "3M",
    'Stocks Data'[Date] >= SixMonthsAgo && 'Stocks Data'[Date] < ThreeMonthsAgo,
    "6M",
    'Stocks Data'[Date] >= StartOfYears && 'Stocks Data'[Date] < TodayDate, "YTD",
    'Stocks Data'[Date] >= OneYearAgo && 'Stocks Data'[Date] < StartOfYears, "1Y",
    'Stocks Data'[Date] >= FiveYearsAgo && 'Stocks Data'[Date] < OneYearAgo, "5Y",
    'Stocks Data'[Date] >= MaxDate && 'Stocks Data'[Date] < FiveYearsAgo, "Max",
    "Older")
```

7- Open Icon:-

```
Open_Icon = IF([Open_Close_Diff]>0,[Red],[Green])
```