



Project Time Intelligence

1) Create the following time intelligence measures, formatted accordingly:

- [MTD Profit]

Measure

Table name: Calendar_Lookup

Measure name: MTD Profit

Description:

Formula: $\int x$ Check formula

`=CALCULATE([Profit], DATESMTD(Calendar_Lookup[date]))`

Formatting Options

Category:

- General
- Number
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (.)

OK Cancel


- [QTD Profit]

Measure

Table name: Calendar_Lookup

Measure name: QTD Profit

Description:

Formula:  Check formula

=CALCULATE([Profit], DATESQTD(Calendar_Lookup[date]))

Formatting Options

Category:

- General
- Number**
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (,.)

OK Cancel


- **[YTD Profit]**

Measure

Table name: Calendar_Lookup

Measure name: YTD Profit

Description:

Formula:  Check formula

=CALCULATE([Profit],DATESYTD(Calendar_Lookup[date]))

Formatting Options

Category:

- General
- Number**
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (,)

OK Cancel


- **[Last Month Profit]**

Measure

Table name: Calendar_Lookup

Measure name: Last Month Profit

Description:

Formula: 

```
=CALCULATE([Profit],  
DATEADD(Calendar_Lookup[date], -1, MONTH))
```

Formatting Options

Category:

- General
- Number**
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (,)


- **[MoM Profit % Change]**

Measure

Table name: Calendar_Lookup

Measure name: MoM Profit % Change

Description:

Formula:  Check formula

$$=([Profit] - [Last Month Profit])/[Last Month Profit]$$

✓ No errors in formula.

Formatting Options

Category:

| |
|---------------|
| General |
| Number |
| Currency |
| Date |
| TRUE/FALSE |

Format: Percentage

Decimal places: 1

☐ Use 1000 separator (,.)

OK Cancel


- [6-Month Rolling Profit]

Measure

Table name: Calendar_Lookup

Measure name: 6-Month Rolling Profit

Description:

Formula:  Check formula

```
=CALCULATE([Profit],DATESINPERIOD(Calendar_Lookup[date], MAX(Calendar_Lookup[date]), -6, MONTH))
```

Formatting Options

Category:

- General
- Number**
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (,)

OK Cancel


- **[30-Day Rolling Profit]**

Measure

Table name: Calendar_Lookup

Measure name: 30-Day Rolling Profit

Description:

Formula:  Check formula

```
=CALCULATE([Profit],DATESINPERIOD(Calendar_Lookup[date], MAX(Calendar_Lookup[date]), -30, DAY))
```

✓ No errors in formula.

Formatting Options

Category:

- General
- Number**
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (,)

OK Cancel


- [30-Day Profit Avg]

Measure

Table name: Calendar_Lookup

Measure name: 30-Day Profit Avg

Description:

Formula:  Check formula

```
=CALCULATE([Profit],DATESINPERIOD(Calendar_Lookup[date], MAX(Calendar_Lookup[date]), -30, DAY))/30
```

✓ No errors in formula.

Formatting Options

Category:

- General
- Number**
- Currency
- Date
- TRUE/FALSE

Format: Whole Number

☒ Use 1000 separator (,)

OK Cancel

2) Create a PivotTable view showing 1998 dates, with *date* on rows. use this view to explore each time intelligence calculations and confirm accuracy.

| 1 | | | | | | | | | | |
|----|------------|---------|------------|------------|------------|-------------------|---------------------|------------------------|-----------------------|-------------------|
| 2 | Year | 1998 | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | date | Profit | MTD Profit | QTD Profit | YTD Profit | Last Month Profit | MoM Profit % Change | 6-Month Rolling Profit | 30-Day Rolling Profit | 30-Day Profit Avg |
| 5 | 1998-01-01 | \$790 | \$790 | \$790 | \$790 | \$700 | 12.8% | \$174,598 | \$33,365 | \$1,112 |
| 6 | 1998-01-02 | \$2,265 | \$3,056 | \$3,056 | \$3,056 | \$723 | 213.3% | \$175,488 | \$34,710 | \$1,157 |
| 7 | 1998-01-03 | \$1,779 | \$4,835 | \$4,835 | \$4,835 | \$921 | 93.2% | \$176,340 | \$35,132 | \$1,171 |
| 8 | 1998-01-04 | \$2,212 | \$7,047 | \$7,047 | \$7,047 | \$1,356 | 63.1% | \$176,679 | \$35,842 | \$1,195 |
| 9 | 1998-01-05 | \$3,045 | \$10,091 | \$10,091 | \$10,091 | \$1,502 | 102.7% | \$178,101 | \$38,306 | \$1,277 |
| 10 | 1998-01-06 | \$1,494 | \$11,586 | \$11,586 | \$11,586 | \$581 | 157.2% | \$176,168 | \$38,156 | \$1,272 |
| 11 | 1998-01-07 | \$2,098 | \$13,683 | \$13,683 | \$13,683 | \$1,644 | 27.6% | \$178,265 | \$39,701 | \$1,323 |
| 12 | 1998-01-08 | | \$13,683 | \$13,683 | \$13,683 | \$553 | -100.0% | \$178,265 | \$39,137 | \$1,305 |
| 13 | 1998-01-09 | \$2,036 | \$15,720 | \$15,720 | \$15,720 | \$564 | 260.8% | \$179,848 | \$40,588 | \$1,353 |
| 14 | 1998-01-10 | \$4,999 | \$20,719 | \$20,719 | \$20,719 | \$585 | 754.6% | \$184,074 | \$42,465 | \$1,415 |
| 15 | 1998-01-11 | \$1,864 | \$22,583 | \$22,583 | \$22,583 | \$3,123 | -40.3% | \$184,764 | \$44,328 | \$1,478 |
| 16 | 1998-01-12 | \$4,358 | \$26,940 | \$26,940 | \$26,940 | | #NUM! | \$188,409 | \$48,051 | \$1,602 |
| 17 | 1998-01-13 | \$2,025 | \$28,965 | \$28,965 | \$28,965 | \$635 | 219.0% | \$190,391 | \$48,957 | \$1,632 |
| 18 | 1998-01-14 | \$846 | \$29,811 | \$29,811 | \$29,811 | \$1,119 | -24.4% | \$189,753 | \$49,803 | \$1,660 |
| 19 | 1998-01-15 | \$1,951 | \$31,761 | \$31,761 | \$31,761 | | #NUM! | \$191,658 | \$49,859 | \$1,662 |
| 20 | 1998-01-16 | \$2,408 | \$34,169 | \$34,169 | \$34,169 | \$1,894 | 27.1% | \$193,457 | \$51,882 | \$1,729 |
| 21 | 1998-01-17 | \$4,888 | \$39,057 | \$39,057 | \$39,057 | \$385 | 1169.9% | \$197,326 | \$54,834 | \$1,828 |
| 22 | 1998-01-18 | \$2,145 | \$41,202 | \$41,202 | \$41,202 | \$1,936 | 10.8% | \$199,471 | \$56,353 | \$1,878 |
| 23 | 1998-01-19 | \$2,002 | \$43,204 | \$43,204 | \$43,204 | \$626 | 219.9% | \$201,473 | \$56,217 | \$1,874 |
| 24 | 1998-01-20 | \$1,384 | \$44,587 | \$44,587 | \$44,587 | \$2,138 | -35.3% | \$200,792 | \$55,355 | \$1,845 |
| 25 | 1998-01-21 | \$2,226 | \$46,813 | \$46,813 | \$46,813 | \$2,246 | -0.9% | \$203,018 | \$55,310 | \$1,844 |
| 26 | 1998-01-22 | \$2,003 | \$48,816 | \$48,816 | \$48,816 | \$2,271 | -11.8% | \$204,527 | \$56,771 | \$1,892 |
| 27 | 1998-01-23 | \$520 | \$49,337 | \$49,337 | \$49,337 | \$542 | -3.9% | \$202,764 | \$56,146 | \$1,872 |
| 28 | 1998-01-24 | \$2,227 | \$51,564 | \$51,564 | \$51,564 | \$1,146 | 94.4% | \$203,934 | \$56,763 | \$1,892 |
| 29 | 1998-01-25 | \$856 | \$52,420 | \$52,420 | \$52,420 | \$1,610 | -46.8% | \$204,790 | \$57,099 | \$1,903 |
| 30 | 1998-01-26 | \$1,353 | \$53,773 | \$53,773 | \$53,773 | \$520 | 160.3% | \$205,818 | \$56,985 | \$1,899 |
| 31 | 1998-01-27 | \$1,093 | \$54,866 | \$54,866 | \$54,866 | \$1,468 | -25.5% | \$202,137 | \$56,180 | \$1,873 |
| 32 | 1998-01-28 | \$1,132 | \$55,998 | \$55,998 | \$55,998 | \$1,899 | -40.4% | \$201,801 | \$56,043 | \$1,868 |
| 33 | 1998-01-29 | \$1,869 | \$57,868 | \$57,868 | \$57,868 | \$1,268 | 47.4% | \$202,677 | \$57,868 | \$1,929 |
| 34 | 1998-01-30 | \$822 | \$58,690 | \$58,690 | \$58,690 | \$45 | 1716.6% | \$203,418 | \$58,690 | \$1,956 |

Spot check for 5/6/1998:

- Profit = **\$3,324**
- MTD Profit = **\$10,082**
- QTD Profit = **\$66,587**
- YTD Profit = **\$240,340**
- Last Month Profit = **\$2,425**
- MoM Profit % Change = **37.1%**
- 6-Month Rolling Profit = **\$301,164**
- 30-Day Rolling Profit = **\$57,738**
- 30-Day Profit Avg = **\$1,925**