DAX FORMULA

1. **ABS Error =**
   SUMX(DISTINCT(dim_date[date]),
   SUMX(DISTINCT(dim_product[product_code]), ABS([Net Error]))
)
2. **ABS Error % =** DIVIDE([ABS Error], [Forecast Qty], 0)
3. **ABS Error LY =** CALCULATE([ABS Error],SAMEPERIODLASTYEAR(dim_date[date]))
4. **Ads & Promotions $ =** SUM(‘fact_actuals_estimates'[ads_promotions])
5. **Atliq MS % =** CALCULATE([Market Share %], marketshare[manufacturer]=”atliq”)
6. **BM Message =** IF([NS BM $] = BLANK() || [GM % BM] = BLANK() || [NP % BM] = BLANK(), “BM Target is not available for the selected filters”, “”)
7. **Customer / Product Filter Check =** ISCROSSFILTERED(dim_product[product]) || ISFILTERED(dim_customer[customer])
8. **Forecast Accuracy % =** IF([ABS Error %]<>BLANK(), 1 – [ABS Error %], BLANK())
9. **Forecast Accuracy % LY =** CALCULATE([Forecast Accuracy %], SAMEPERIODLASTYEAR(dim_date[date]))
10. **Forecast Qty =**
    var lsalesdate = MAX(LastSalesMonth[LastSalesMonth])
    return
    CALCULATE(SUM(fact_forecast_monthly[forecast_quantity]), fact_forecast_monthly[date]<=lsalesdate
11. **Freight Cost $ =** SUM(fact_actuals_estimates[Freight_cost])
12. **GS $ =** SUM(fact_actuals_estimates[gross_sales_amount])
13. **Last Sales Month Home =**
    “Sales Data Loaded Until : ” &
    FORMAT(MAX(LastSalesMonth[LastSalesMonth]), “MMM YY”)

14. **Manufacturing Cost $**
= SUM(fact_actuals_estimates[manufacturing_cost])
15. **Market Share %**
= DIVIDE(SUM(marketshare[sales_$]),SUM(marketshare[total_market_sales_$]), 0)
16. **Net Error =** [Forecast Qty]-[Sales Qty]
17. **Net Error % =** DIVIDE([Net Error],[Forecast Qty],0)
18. **Net Error LY =** CALCULATE([Net Error],SAMEPERIODLASTYEAR(dim_date[date]))
19. **Net Profit % =** DIVIDE([Net Profit $],[NS $],0)
20. **Net Profit % LY =** CALCULATE([Net Profit %], SAMEPERIODLASTYEAR(dim_date[date]))
21. **Net Profit $ =** [GM $]+[Operational Expense $]
22. **NIS $**
= SUM(fact_actuals_estimates[net_invoice_sales_amount])
23. **NP % BM =**
SWITCH(TRUE(),
SELECTEDVALUE(‘Set BM'[ID])=1, [Net Profit % LY],
SELECTEDVALUE(‘Set BM'[ID])=2, [NP Target %])
24. **NP Target % =** DIVIDE([NP Target $], SUM(NsGmTarget[np_target]), 0)
25. **NP Target $ =** SUM(NsGmTarget[np_target])
26. **NS $ =** SUM(fact_actuals_estimates[net_sales_amount])
27. **NS $ LY =** CALCULATE([NS $], SAMEPERIODLASTYEAR(dim_date[date]))
28. **NS BM $ =**
SWITCH(TRUE(),
SELECTEDVALUE(‘Set BM'[ID])=1,[NS $ LY],
SELECTEDVALUE(‘Set BM'[ID])=2,[NS Target $])
29. **NS Target $ =**
var tgt = SUM(NsGmTarget[ns_target])
return IF([Customer / Product Filter Check], BLANK(), tgt)
30. **Operational Expense $ =** ([Ads & Promotions $]+[Other Operational Expense $])*-1
31. **Other Cost $ =** SUM(fact_actuals_estimates[other_cost])
32. **Other Operational Expense $**
= SUM(‘fact_actuals_estimates'[other_operational_expense])

33. **Performance Visual Title =** [Selected P & L Row] & ” Performance Over Time”
34. **Post Invoice Deduction $ =** SUM(fact_actuals_estimates[post_invoice_deductions_amount])
35. **Post Invoice Other Deduction $ =** SUM(fact_actuals_estimates[post_invoice_other_deductions_amount])
36. **Pre Invoice Deduction $ =** [GS $] – [NIS $]
37. **Quantity =** SUM(fact_actuals_estimates[Qty])
38. **RC % =** DIVIDE([NS $],CALCULATE([NS $],ALL(dim_market), ALL(dim_customer), ALL(dim_product)))
39. **Risk =** IF([Net Error]>0,”EI”, IF([Net Error]<0, “OOS”, BLANK()))
40. **Sales Qty =** CALCULATE([Quantity], fact_actuals_estimates[date]<=MAX(LastSalesMonth[LastSalesMonth]))
41. **Sales Trend Title =** “NS & GM % For ” & SELECTEDVALUE(dim_customer[customer])
42. **Selected P & L Row =** IF(HASONEVALUE(‘P & L Rows'[Description]), SELECTEDVALUE(‘P & L Rows'[Description]), “Net Sales”)
43. **Top / Bottom N Title =** “Top / Bottom Products & Customers By ” & [Selected P & L Row]
44. **Total COGS $ =** ‘Key Measure'[Freight Cost $] + ‘Key Measure'[Manufacturing Cost $] + ‘Key Measure'[Other Cost $]
45. **Total Post Invoice Deduction =** ‘Key Measure'[Post Invoice Deduction $] + ‘Key Measure'[Post Invoice Other Deduction $]
46. **post_invoice_deductions_amount =**

```
var res =
CALCULATE(MAX(post_invoice_deductions[discounts_pct]),
RELATEDTABLE(post_invoice_deductions))
return res*fact_actuals_estimates[net_invoice_sales_amount]
```

47. **post_invoice_other_deductions_amount =**

```
var res =
CALCULATE(MAX(post_invoice_deductions[other_deductions_p
ct]),
RELATEDTABLE(post_invoice_deductions))
return res*fact_actuals_estimates[net_invoice_sales_amount]
```