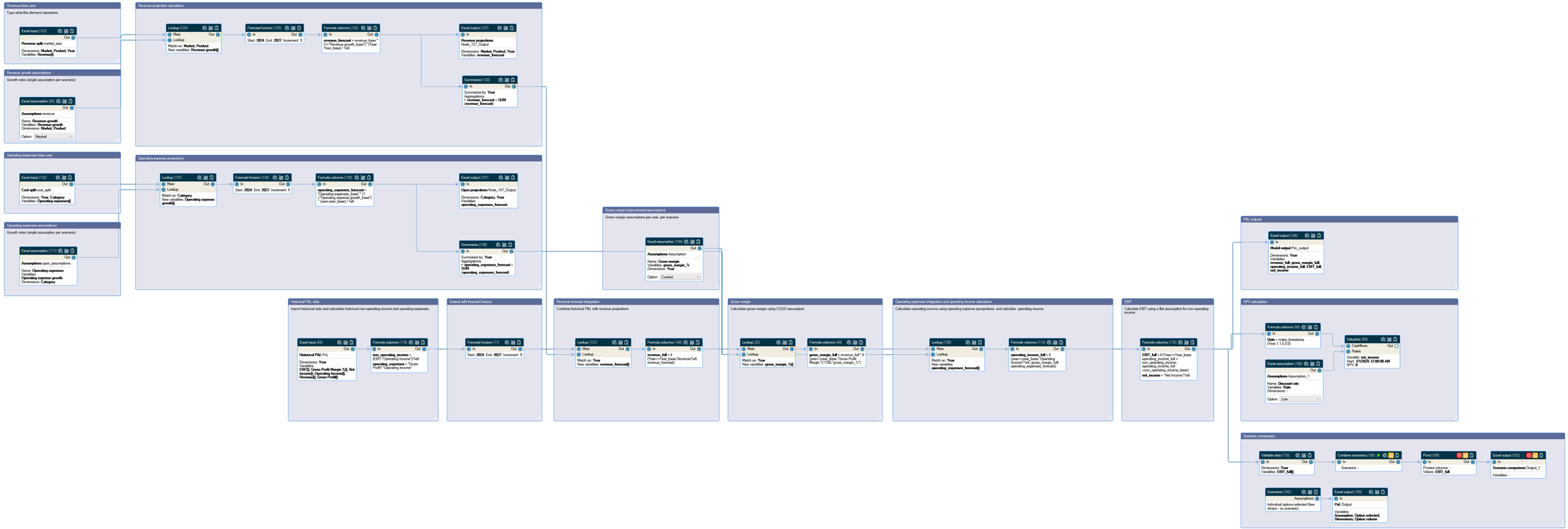
Revenue base year
Type what this element represents
Excel input (123)
Out
Revenue split market_size
Dimensions: Market, Product, Year
Variables: Revenue[]
Revenue growth assumptions
Growth rates (single assumption per scenario)
Excel assumption (92)
Out
Assumptions revenue
Name: Revenue growth
Variables: Revenue growth
Dimensions: Market, Product
Option: Neutral
Revenue projection calculation
Lookup (124)
Main
Out
Lookup
Match on: Market, Product
New variables: Revenue growth[]
Forecast horizon (125)
In
Out
Start: 2024 End: 2027 Increment: 1
Formula columns (126)
In
Out
revenue_forecast = revenue_base * (1+?Revenue growth_base?) ^ (Year-Year_base) / 1e6
Excel output (127)
In
Revenue projections
Node_127_Output
Dimensions: Market, Product, Year
Variables: revenue_forecast
Summarize (130)
In
Out
Summarize by: Year
Aggregations:
+ revenue_forecast = SUM (revenue_forecast)
Operating expenses base year
Excel input (132)
Out
Cost split cost_split
Dimensions: Year, Category
Variables: Operating expenses[]
Operating expenses assumptions
Growth rates (single assumption per scenario)
Excel assumption (111)
Out
Assumptions opex_assumptions
Name: Operating expenses
Variables:
Operating expense growth
Dimensions: Category
Operating expense projections
Lookup (137)
Main
Out
Lookup
Match on: Category
New variables: Operating expense growth[]
Forecast horizon (134)
In
Out
Start: 2024 End: 2027 Increment: 1
Formula columns (136)
In
Out
operating_expenses_forecast = "Operating expenses_base" * (1 + "Operating expense growth_base") ^ (year-year_base) / 1e6
Excel output (147)
In
Opex projections Node_147_Output
Dimensions: Category, Year
Variables:
operating_expenses_forecast
Summarize (138)
In
Out
Summarize by: Year
Aggregations:
+ operating_expenses_forecast = SUM (operating_expenses_forecast)
Gross margin improvement assumptions
Gross margin assumptions per year, per scenario
Excel assumption (105)
Out
Assumptions Assumption
Name: Gross margin
Variables: gross_margin_%
Dimensions: Year
Option: Current
Historical P&L data
Import historical data and calculates historical non-operating income and operating expenses.
Excel input (84)
Out
Historical P&L PnL
Dimensions: Year
Variables:
EBIT[], Gross Profit Margin %[], Net Income[], Operating Income[], Revenue[], Gross Profit[]
Formula columns (119)
In
Out
non_operating_income = (EBIT-?Operating Income?)*1e6
operating_expenses = "Gross Profit" -"Operating Income"
Extend with forecast horizon
Forecast horizon (71)
In
Out
Start: 2024 End: 2027 Increment: 1
Revenue forecast integration
Combine historical P&L with revenue projections
Lookup (131)
Main
Out
Lookup
Match on: Year
New variables: revenue_forecast[]
Formula columns (140)
In
Out
revenue_full = if (Year<=Year_base,Revenue1e6, revenue_forecast)
Gross margin
Calculates gross margin using COGS assumption
Lookup (32)
Main
Out
Lookup
Match on: Year
New variables: gross_margin_%[]
Formula columns (40)
In
Out
gross_margin_full = revenue_full * if (year<=year_base,"Gross Profit Margin %"/100,"gross_margin_%")
Operating expenses integration and operating income calculation
Calculates operating income using operating expense porjections, and calculate operating income
Lookup (139)
Main
Out
Lookup
Match on: Year
New variables
operating_expenses_forecast[]
Formula columns (112)
In
Out
operating_income_full = if (year<=year_base,"Operating income"/1e6,"gross_margin_full-operating_expenses_forecast)
EBIT
Calculate EBIT using a flat assumption for non-operating income
Formula columns (115)
In
Out
EBIT_full = if (Year<=Year_base, operating_income_full + non_operating_income, operating_income_full +non_operating_income_base)
net_income = "Net Income"/1e6
P&L outputs
Excel output (145)
In
Model output PnL_output
Dimensions: Year
Variables:
revenue_full, gross_margin_full, operating_income_full, EBIT_full, net_income
NPV calculation
Formula columns (88)
In
Out
Date = make_timestamp (Year, 1, 1, 0, 0, 0)
Excel assumption (106)
Out
Assumptions Assumption_1
Name: Discount rate
Variables: Rate
Dimensions: -
Option: Low
Valuation (89)
Cashflows
Out
Rates
Variable: net_income
Start: 1/1/2025 12:00:00 AM
NPV: 0
Scenario comparison
Validate data (110)
In
Out
Dimensions: Year
Variables: EBIT_full[]
Combine scenarios (108)
In
Out
Scenarios: -
Pivot (109)
In
Out
Pivoted columns: -
Values: EBIT_full
Excel output (152)
In
Scenario comparison Output_1
Variables: -
Scenarios (102)
Assumptions
Individual options selected (free choice - no scenario)
Excel output (150)
In
PnL Output
Variables:
Assumption, Option selected, Dimensions, Option column