

Model(Model, Series, Model\_label)

Country(Country, Market)

Sales\_Price(id, Model, Country, h\_Time, Currency, Sales, Price, Exchange\_time)

Exchange(Exchange\_time, Exchange\_rate)

Costs(Costs\_id, Model, Country, Costs\_time, Costs)

Ratio\_Expenses1(Series, Software\_product\_amortization\_rate\_acc\_cost,  
RandD\_rate\_acc\_cost)

Ratio\_Expenses2(Ratio\_expenses2\_id, Country,  
Functional\_cost\_allocation\_rate\_acc\_cost,  
Business\_group\_headquarters\_allocation\_rate\_acc\_cost,  
Marketing\_activities\_provision\_rate\_acc\_revenue)

Ratio\_Expenses3(Ratio\_expenses3\_id, Model\_label, Country,  
After\_sales\_provision\_rate\_acc\_cost)

Regional\_Expenses(Country, Expenses\_time, Marketing\_expenses, Labor\_cost,  
Other\_variable\_expenses, Other\_fixed\_expenses)

History(h\_Time, Country, Model, Sales, Revenues, Gross\_profits, Margin\_profits,  
Net\_income)

Budget(h\_Time, Country, Model, Sales, Revenues, Gross\_profits, Margin\_profits,  
Net\_income)

Model	属性	数据类型	完整性约束
	Model	Varchar(50)	Primary key
	Series	Varchar(50)	References Ratio_Expenses1(Series)
	Model_label	Varchar(50)	References Ratio_Expenses3(Model_label)
Country	属性	数据类型	完整性约束

	Country	Varchar(50)	Primary key
	Market	Varchar(50)	In ('Asia', 'Africa', 'South America')
Sales_Price	属性	数据类型	完整性约束
	id	Integer	Primary key
	Model	Varchar(50)	References Model(Model)
	Country	Varchar(50)	References Country(Country)
	h_Time	Varchar(50)	In ('2025-10', '2025-11', '2025-12', '2026-01', '2026-02', '2026-03', '2026-04', '2026-05', '2026-06', '2026-07', '2026-08', '2026-09')
	Currency	Varchar(50)	In ('CHY', 'USD')
	Sales	Integer	
	Price	Decimal(10,2)	
	Exchange_time	VARCHAR(50)	References Exchange(Exchange_time); = h_Time
Exchange	属性	数据类型	完整性约束
	Exchange_time	Varchar(50)	Primary key; In ('2025-10', '2025-11', '2025-12', '2026-01',

			'2026-02', '2026-03', '2026-04', '2026-05', '2026-06', '2026-07', '2026-08', '2026-09')
	Exchange_rate	Decimal(3,2)	Not Null
Costs	属性	数据类型	完整性约束
	Costs_id	Integer	Primary key
	Model	Varchar(50)	References Model(Model)
	Country	Varchar(50)	References Country(Country)
	Costs_time	Varchar(50)	In ('2025-10', '2025-11', '2025-12', '2026-01', '2026-02', '2026-03', '2026-04', '2026-05', '2026-06', '2026-07', '2026-08', '2026-09')
	Costs	Decimal(10,2)	
Ratio_Expenses1	属性	数据类型	完整性约束
	Series	Varchar(50)	Primary key; In ('Dog', 'Cat', 'Tiger')
	Software_product_amortization_rate_acc_cost (软件产品计提)	Decimal(5,4)	
	RandD_rate_acc_cost	Decimal(5,4)	

	(项目研发计提)		
<b>Ratio_Expenses2</b>	<b>属性</b>	<b>数据类型</b>	<b>完整性约束</b>
	Ratio_expenses2_id	Integer	Primary key
	Country	Varchar(50)	References Country(Country)
	Functional_cost_allocation _rate_acc_cost (职能公摊计提)	Decimal(5,4)	
	Business_group_headquart ers_allocation_rate_acc_co st (总部费用计提)	Decimal(5,4)	
	Marketing_activities_provi sion_rate_acc_revenue (市场计提)	Decimal(5,4)	
<b>Ratio_Expenses3</b>	<b>属性</b>	<b>数据类型</b>	<b>完整性约束</b>
	Ratio_expenses3_id	Integer	Primary key
	Model_label	Varchar(50)	References Model(Model_label) (非主键引用, 需使用 触发器)
	Country	Varchar(50)	References Country(Country)

	After_sales_provision_rate _acc_cost（售后计提）	Decimal(5,4)	
Regional_Expenses	属性	数据类型	完整性约束
	Country	Varchar(50)	References Country(Country)
	Expenses_time	Varchar(50)	In ('2025-10', '2025-11', '2025-12', '2026-01', '2026-02', '2026-03', '2026-04', '2026-05', '2026-06', '2026-07', '2026-08', '2026-09')
	Marketing_expenses （市场费用）	Decimal(10,2)	
	Labor_cost（人工成本）	Decimal(10,2)	
	Other_variable_expenses （其他变动费用）	Decimal(10,2)	
	Other_fixed_expenses （其他固定费用）	Decimal(10,2)	
History	属性	数据类型	完整性约束
	h_Time	Varchar(50)	
	Country	Varchar(50)	

	Model	Varchar(50)	
	Sales	Integer	
	Revenues	Decimal(20,2)	
	Gross_profits	Decimal(20,2)	
	Margin_profits	Decimal(20,2)	
	Net_income	Decimal(20,2)	
History	属性	数据类型	完整性约束
	h_Time	Varchar(50)	
	Country	Varchar(50)	
	Model	Varchar(50)	
	Sales	Integer	
	Revenues	Decimal(20,2)	
	Gross_profits	Decimal(20,2)	
	Margin_profits	Decimal(20,2)	

	Net_income	Decimal(20,2)	
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