

# DMN Model Documentation

## Loan Comparison

Namespace: **[http://www.trisotech.com/definitions/\\_3a1fd8f4-ea04-4453-aa30-ff14140e3441](http://www.trisotech.com/definitions/_3a1fd8f4-ea04-4453-aa30-ff14140e3441)**

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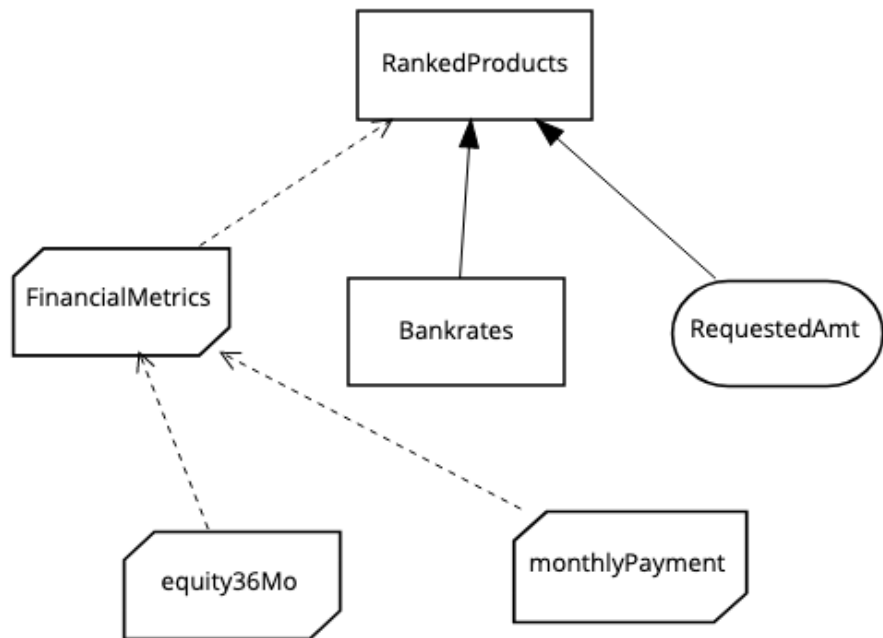
Generated from: **HInpLUZv.dmn**

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# 1. Loan Comparison - DMN model

Diagram description, description, description, description, description, description...



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## 2. Loan Comparison - Data Types

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▶ **tLoanProduct** (Structure)

---

**lenderName** (string)

---

**rate** (number)

---

**points** (number)

---

**fee** (number)

---

▶ **tLoanTable** (tLoanProduct) - *List: Yes*

---

▶ **tMetric** (Structure)

---

**lenderName** (string)

---

**rate** (number)

---

**points** (number)

---

**fee** (number)

---

**loanAmt** (number)

---

**downPmtAmt** (number)

---

**paymentAmt** (number)

---

**equity36moPct** (number)

---

▶ **tMetrics** (tMetric) - *List: Yes*

---

▶ **tRankedProducts** (Structure)

---

**metricsTable** (tMetrics)

---

**rankByRate** (tMetrics)

---

**rankByDownPmt** (tMetrics)

---

**rankByMonthlyPmt** (tMetrics)

---

**rankByEquityPct** (tMetrics)

---

### 3. Loan Comparison - DRD components

#### ▶ equity36Mo (number)

equity36Mo description, description, description, description, description, description...

F	equity36Mo <i>(number)</i>
	(p, r, n, pmt)
	$p * (1+r/12)^{**n} - pm$

#### ▶ monthlyPayment (number)

monthlyPayment description, description, description, description, description, description...

F	monthlyPayment <i>(number)</i>
	(p, r, n)
	$p * r / 12 / (1 - (1+r/12)^{-n})$

#### ▶ RankedProducts (tRankedProducts)

RankedProducts description, description, description, description, description, description...

#	RankedProducts (tRankedProducts)	
1	metricsTable (tMetrics)	for i in Bankrates
2	rankByRate (tMetrics)	sort (metricsTable,
3	rankByDownPmt (tMetrics)	sort (metricsTable,
4	rankByMonthlyPn (tMetrics)	sort (metricsTable,
5	rankByEquityPct (tMetrics)	sort (metricsTable,
	<result>	Select expression

---

► **RequestedAmt** (number)

RequestedAmt description, description, description, description, description, description...

---

► **FinancialMetrics** (tMetrics)

FinancialMetrics description, description, description, description, description, description...

F	FinancialMetrics (tMetrics)	
	(product, requestedAmt)	
1	<b>lenderName</b> (string)	product.lend
2	<b>rate</b> (number)	product.rate
3	<b>points</b> (number)	product.poin
4	<b>fee</b> (number)	product.fee
5	<b>loanAmt</b> (number)	requestedAmt
6	<b>downPmtAmt</b> (number)	$0.2 * \text{loanAmt}$
7	<b>paymentAmt</b> (number)	monthlyPayme
8	<b>equity36moPct</b> (number)	$1 - \text{equity36}$
	<result>	Select expression

### ► Bankrates (tLoanTable)

Bankrates description, description, description, description, description, description...

#	lenderName (<Undefined>)	rate (<Undefined>)	points (<Undefined>)	fee (<Undefined>)
1	"Oceans Capital	.03500	0	0
2	"eClick Lend	.03200	1.1	2700
3	"eClickLendi	.03375	0.1	1200
4	"AimLoan"	.03000	1.1	3966
5	"Home Loans	.03125	1.1	285
6	"Sebonic"	.03125	0.1	4028
7	"AimLoan"	.03125	0.1	4317
8	"eRates Mort	.03125	1.1	2518
9	"Home Loans	.03250	0.1	822
10	"AimLoan"	.03250	0	1995