





SalesSubcycleParameters

NumberOfCustomers (default: random between 1,000 AND 2,000 OR input (validation ≥ 1 AND $\leq ?$))

NumberOfInvoices (default: random between NumberOfCustomers AND NumberOfCustomers X 12) OR input (validation ≥ 1 AND $\leq ?$))

NumberOfInvoiceDetail (default: random between 1 and NumberOfProducts)

NumberOfProducts (default: random between 5 and 20 OR input (validation ≥ 1 AND ≤ 20))

Anomalies in fields

Input number/percentage

For all PK:

Missing PK

Repeated PK

For other fields with potential anomalies:

Missing

(1) Invoice.InvoiceNumber

(6) InvoiceDetail.Quantity

Default: Complies with Benford's law

Benford's law (number of digits 1-3?)

(2) Invoice.InvoiceDate

Out of project range

Invalid working days

(3) Invoice.TotalBTax,

(4) Invoice.SalesTax,

(5) Invoice.Total,

(7) InvoiceDetail.SubtotalProduct

Negative number

Incorrect calculation

Anomalies in relationships

A

Invoice without customer or Invoice detail

Default: Normal distribution of number of invoices (Total?)

Skewed

B

InvoiceDetail without Invoice