DATA OVERVIEW

- Raw data: RAW DATA (Customer data will not be provided to protect customer personal information)
- **Processed data:** PROCESSED DATA (Customer data will not be provided to protect customer personal information)

1. Invoice List 2017 - 2024

Data field	Explanation	Note
Invoice number	A unique business identifier for a	
	sale transaction.	
Time	It is the time point when the	- It is in format dd/mm/yyyy
	company generates sales	hh:mm:ss, that not matched with
	activity.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Return number	A unique business identifier for a	- Detailed data was presented in
	return transaction which invoice	Return List.
	was returned to company	- 1 Invoice can have more than 1
		Return listed by commas in
		column -> Querying will have
		many problems
Customer	Name of the customer who	Data is showed in TEXT; Querying
	made a sales transaction with	will have many problems -> Need
	the company.	building customer data and
		convert to Customer number.
Branch	Name of the branch made a	Data is showed in TEXT; Querying
	sales transaction.	will have many problems -> Need

		building branch data and convert to Branch number.
Sub-total	Revenue per invoice before	
	discount that company can gain	
Discount	Discount per invoice	
Sub-total after	Revenue per invoice after	
discount	discount that company can gain	
Paid	Net revenue per invoice that	
	company can gain	

2. Return List 2017 – 2024

Data field	Explanation	Note
Return number	A unique business identifier for a	
	sale return transaction.	
Invoice number	A unique business identifier for a	Each return number can get only 1
	sale transaction.	invoice number
Time	It is the time point when the	- It is in format dd/mm/yyyy
	company generates return	hh:mm:ss, that not matched with
	activity.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Customer	Name of the customer who	Data is showed in TEXT; Querying
	made a sales transaction with	will have many problems -> Need
	the company.	building customer data and
		convert to Customer number.
Branch	Name of the branch made a	Data is showed in TEXT; Querying
	sales transaction.	will have many problems -> Need
		building branch data and
		convert to Branch number.

Sub-total	Revenue per invoice before discount that company must	
	refund	
Discount	Discount per invoice that	
	company must refund	
Sub-total after	Net revenue per invoice after	
discount	discount that company must	
	refund	
Refunded to	Net revenue that company truly	
customer	refunded	

3. Purchase Order

Data field	Explanation	Note
PO number	A unique business identifier for	PO number can have only 1
	order import goods	Purchase receipt number
Purchase	A unique business identifier for	
receipt number	import goods	
Time	It is the time point was recorded	- It is in format dd/mm/yyyy
	in order.	hh:mm:ss, that not matched with
		SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Create date	It is the time point was recorded	- It is in format dd/mm/yyyy
	when the company generates	hh:mm:ss, that not matched with
	order activity.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Modified date	It is the latest time point was	- It is in format dd/mm/yyyy
	recorded when the company	hh:mm:ss, that not matched with

	generates any update activity for	SQL format about date and time -
	order.	> Need to convert to yyyy-mm-
		dd hh:mm:ss
Supplier	Name of the supplier that	After discussing with the finance -
	company order goods	accounting and business
		department, this data field does
		not have a big impact on changes
		in the company's revenue, so it is
		not necessary for this analysis
		project.
Branch	Name of the branch made order.	Data is showed in TEXT; Querying
		will have many problems -> Need
		building branch data and
		convert to Branch number.
Planned Receipt	It is the time point that company	- It is in format dd/mm/yyyy, that
Date	expected get order	not matched with SQL format
		about date and time -> Need to
		convert to yyyy-mm-dd
Day left	- Time duration left before order	If the orders are not updated with
	arrives.	the goods receipt/ or the orders
	- Calculated from present time	have not arrived, this value will
	to "Planned Receipt Date"	still be calculated and become
		negative when the time has
		expired.
Total quantity	This refers to the total number of	
Total quantity	This refers to the total number of units.	
Total quantity Total product		

Sub-total	Estimated import price per order	After discussing with the finance -
	before discount and charge that	accounting and business
	company must pay	department, these data fields are
Discount	Discount per order that company	estimated -> Does not have a big
	must pay	impact on changes in the
Supplier's	Other cost that company must	company's revenue so it is not
charge	pay for supplier	necessary for this analysis
Total	Last estimated import price per	project.
	order that company must pay	
Paid for supplier	Amount paid to supplier	
Other charge	Other cost that company must	
	pay	
Status	Including Completed, Confirmed	- Completed: Order has arrived
	by supplier, Draft	and created purchase receipt.
		- Confirmed by supplier: Order is
		accepted by supplier.
		- Draft: Order has created and
		waited for confirmed.

4. Purchase receipt

- Most of the time the order is created is later than the time recorded on the orders, showing a delay in processing (the staff updates late).
- Cases where the order is created earlier than the time recorded on the orders show a delay in processing by the Sales Department.

Data field	Explanation	Note
Purchase	A unique business identifier for	PO number can have only 1
receipt number	import goods	Purchase receipt number
PO number	A unique business identifier for	
	order import goods	

Purchase return	A unique business identifier for	
	return goods	
Time	It is the time point was recorded	- It is in format dd/mm/yyyy
	in receipt/ goods were imported.	hh:mm:ss, that not matched with
	It affects inventory at that time.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Create date	It is the time point was recorded	- It is in format dd/mm/yyyy
	when the company generates	hh:mm:ss, that not matched with
	receipt.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Modified date	It is the latest time point was	- It is in format dd/mm/yyyy
	recorded when the company	hh:mm:ss, that not matched with
	generates any update activity for	SQL format about date and time -
	receipt.	> Need to convert to yyyy-mm-
		dd hh:mm:ss
Supplier	Name of the supplier that	After discussing with the finance -
	company order goods	accounting and business
		department, this data field does
		not have a big impact on changes
		in the company's revenue, so it is
		not necessary for this analysis
		project.
Branch	Name of the branch made order.	Data is showed in TEXT; Querying
		will have many problems -> Need
		building branch data and
		convert to Branch number.

Total quantity	This refers to the total number of	
	units.	
Total product	This refers to the total number of	
	different types of products.	
Sub-total	Import price per receipt before	
	discount and charge that	
	company must pay	
Discount	Discount per receipt that	
	company must pay	
Supplier's	Other cost that company must	
charge	pay for supplier	
Total	Last import price per order that	
	company must pay	
Payment	Other discount per receipt that	
discount	company must pay	
Paid for supplier	Amount paid to supplier	
Other charge	Other cost that company must	
	pay	
Note	More information regarding the	
	receipt	
Status	Including Completed, Draft	- Completed: Purchase receipt
		has confirmed.
		- Draft: Purchase receipt has
		created and waited for confirmed.

5. Purchase return

- Most of the time the order is created is later than the time recorded on the orders, showing a delay in processing (the staff updates late).
- Cases where the order is created earlier than the time recorded on the orders show a delay in processing by the Sales Department.

Data field	Explanation	Note
Purchase return	A unique business identifier for	Purchase returncan have only 1
	return goods	Purchase receipt number
Purchase	A unique business identifier for	
receipt number	import goods	
Time	It is the time point was recorded	- It is in format dd/mm/yyyy
	in return/ goods were returned.	hh:mm:ss, that not matched with
	It affects inventory at that time.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Create date	It is the time point was recorded	- It is in format dd/mm/yyyy
	when the company generates	hh:mm:ss, that not matched with
	return activity.	SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Supplier	Name of the supplier that	After discussing with the finance -
	company order goods	accounting and business
		department, this data field does
		not have a big impact on changes
		in the company's revenue, so it is
		not necessary for this analysis
		project.
Branch	Name of the branch made order.	Data is showed in TEXT; Querying
		will have many problems -> Need
		Transfer of transfer of the tr
		building branch data and
Total quantity	This refers to the total number of	building branch data and

Total product	This refers to the total number of	
	different types of products.	
Sub-total	Import price per receipt before	
	discount and charge that	
	company must pay	
Discount	Discount per receipt that	
	company must pay	
Total	Last import price per order that	
	company must pay	
Paid by supplier	Amount paid to supplier	
Note	More information regarding the	
	return	
Status	Including Completed, Draft	- Completed: Purchase return has
		confirmed.
		- Draft: Purchase return has
		created and waited for confirmed.

6. Inventory Damaged

- Most of the time the order is created is later than the time recorded on the orders,
 showing a delay in processing (the staff updates late).
- Cases where the order is created earlier than the time recorded on the orders show a delay in processing by the Sales Department.

Data field	Explanation	Note
Damage number	A unique business identifier for	
	damaged goods receipt	
Total damage	Value per receipt	
value		

in receipt/ goods were damaged. It affects inventory at that time. It affects inventory at that time. SQL format about date and time - > Need to convert to yyyy-mm- dd hh:mm:ss Create date It is the time point was recorded when the company generates receipt. SQL format about date and time - > Need to convert to yyyy-mm- dd hh:mm:ss, that not matched with SQL format about date and time - > Need to convert to yyyy-mm- dd hh:mm:ss Branch Name of the branch made receipt. Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed Draft: Receipt has created and	Time	It is the time point was recorded	- It is in format dd/mm/yyyy
Create date It is the time point was recorded when the company generates receipt. Branch Name of the branch made receipt. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status It is the time point was recorded hh:mm:ss - It is in format dd/mm/yyyy hh:mm:ss, that not matched with SQL format about date and time - > Need to convert to yyyy-mm-dd hh:mm:ss Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.		in receipt/ goods were damaged.	hh:mm:ss, that not matched with
Create date It is the time point was recorded when the company generates receipt. Branch Name of the branch made receipt. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status It is the time point was recorded him is the time point was recorded him in format dd/mm/yyyy hh: is in format dd/mm/yyyy hh: is in format dd/mm/yyyy hh: matched with SQL format about date and time -> Need to convert to yyyy-mm-dd hh:mm:ss Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee made receipt in system. Note Amore information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.		It affects inventory at that time.	SQL format about date and time -
Create date It is the time point was recorded when the company generates receipt. Place of the branch made receipt. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status It is the time point was recorded hh:mm:ss, that not matched with SQL format about date and time - > Need to convert to yyyy-mm-dd hh:mm:ss Branch Name of the branch made Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Status Including Completed, Draft - Completed: Receipt has confirmed.			> Need to convert to yyyy-mm-
when the company generates receipt. Branch Name of the branch made receipt. Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Mh:mm:ss, that not matched with SQL format about date and time - > Need to convert to yyyy-mm- dd hh:mm:ss Branch Nate of the branch made patients showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Amenorement in system. Creator Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.			dd hh:mm:ss
receipt. SQL format about date and time - > Need to convert to yyyy-mm- dd hh:mm:ss Branch Name of the branch made receipt. Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.	Create date	It is the time point was recorded	- It is in format dd/mm/yyyy
Name of the branch made receipt. Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Completed: Receipt has confirmed.		when the company generates	hh:mm:ss, that not matched with
Branch Name of the branch made receipt. Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.		receipt.	SQL format about date and time -
Branch Name of the branch made receipt. Data is showed in TEXT; Querying will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.			> Need to convert to yyyy-mm-
receipt. will have many problems -> Need building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.			dd hh:mm:ss
building branch data and convert to Branch number. Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.	Branch	Name of the branch made	Data is showed in TEXT; Querying
Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.		receipt.	will have many problems -> Need
Employee Name of employee handled the damaged good. Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.			building branch data and
Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.			convert to Branch number.
Creator Name of employee made receipt in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.	Employee	Name of employee handled the	
in system. Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.		damaged good.	
Note More information regarding the return Status Including Completed, Draft - Completed: Receipt has confirmed.	Creator	Name of employee made receipt	
return Status Including Completed, Draft - Completed: Receipt has confirmed.		in system.	
Status Including Completed, Draft - Completed: Receipt has confirmed.	Note	More information regarding the	
confirmed.		return	
	Status	Including Completed, Draft	- Completed: Receipt has
- Draft: Receipt has created and			confirmed.
			- Draft: Receipt has created and
waited for confirmed.			waited for confirmed.

7. Inventory Count List

- Most of the time the order is created is later than the time recorded on the orders, showing a delay in processing (the staff updates late).
- Cases where the order is created earlier than the time recorded on the orders show a delay in processing by the Sales Department.

Data field	Explanation	Note
Number	A unique business identifier for	
	inventory count receipt	
Time	It is the time point when receipt	- It is in format dd/mm/yyyy
	has created.	hh:mm:ss, that not matched with
		SQL format about date and time -
		> Need to convert to yyyy-mm-
		dd hh:mm:ss
Creator		
Completed by		
Completed time	It is the time point was recorded	- It is in format dd/mm/yyyy
	in receipt/ goods were	hh:mm:ss, that not matched with
	recounted. It affects inventory at	SQL format about date and time -
	that time.	> Need to convert to yyyy-mm-
		dd hh:mm:ss
Branch	Name of the branch made	-
	receipt.	- Data is showed in TEXT; Querying
		will have many problems -> Need
		building branch data and
		convert to Branch number.
Total actual	Total actual inventory recorded	
count	at the time of inventory count	
Total price	Total value of actual inventory	
actual	recorded at the time of inventory	
	count	
Total diff. qty	Total inventory is different from	- Equal Surplus quantity plus
	the system	Missing quantity.

		- This number is not suitable for
		use in analysis as it cannot
		indicate the overall difference.
		- Another data field will be created
		and equal to the absolute value of
		Missing quantity plus Surplus
		quantity
Total diff cost	Total value inventory is different	
	from the system	
Surplus quantity	Total inventory is more than the	
	system	
Surplus qty	Total value of inventory is more	
	than the system	
Missing quantity	Total inventory is less than the	
	system	
Missing qty	Total value of inventory is less	
	than the system	
Status	Including Completed, Draft	- Completed: Receipt has
		confirmed.
		- Draft: Receipt has created and
		waited for confirmed.