

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)
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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 company generates sales activity.	- 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
Return number	A unique business identifier for a return transaction which invoice was returned to company	- Detailed data was presented in Return List. - 1 Invoice can have more than 1 Return listed by commas in column -> Querying will have many problems
Customer	Name of the customer who made a sales transaction with the company.	Data is showed in TEXT; Querying will have many problems -> Need building customer data and convert to Customer number.
Branch	Name of the branch made a sales transaction.	Data is showed in TEXT; Querying 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 discount	Revenue per invoice after 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 sale transaction.	Each return number can get only 1 invoice number
Time	It is the time point when the company generates return activity.	- 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
Customer	Name of the customer who made a sales transaction with the company.	Data is showed in TEXT; Querying will have many problems -> Need building customer data and convert to Customer number.
Branch	Name of the branch made a sales transaction.	Data is showed in TEXT; Querying 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 discount	Net revenue per invoice after discount that company must refund	
Refunded to customer	Net revenue that company truly refunded	

3. Purchase Order

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

	generates any update activity for order.	SQL format about date and time - > Need to convert to yyyy-mm-dd hh:mm:ss
Supplier	Name of the supplier that company order goods	After discussing with the finance - 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 Date	It is the time point that company expected get order	- It is in format dd/mm/yyyy , that not matched with SQL format about date and time -> Need to convert to yyyy-mm-dd
Day left	<ul style="list-style-type: none"> - Time duration left before order arrives. - Calculated from present time to "Planned Receipt Date" 	If the orders are not updated with the goods receipt/ or the orders have not arrived, this value will still be calculated and become negative when the time has expired.
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	Estimated import price per order before discount and charge that company must pay	After discussing with the finance - accounting and business department, these data fields are estimated -> Does not have a big impact on changes in the company's revenue so it is not necessary for this analysis project.
Discount	Discount per order that company must pay	
Supplier's charge	Other cost that company must pay for supplier	
Total	Last estimated import price per order that company must pay	
Paid for supplier	Amount paid to supplier	
Other charge	Other cost that company must pay	
Status	Including Completed, Confirmed by supplier, Draft	
		- Completed: Order has arrived 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 receipt number	A unique business identifier for import goods	PO number can have only 1 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 in receipt/ goods were imported. It affects inventory at that time.	- 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
Create date	It is the time point was recorded when the company generates receipt.	- 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
Modified date	It is the latest time point was recorded when the company generates any update activity for receipt.	- 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
Supplier	Name of the supplier that company order goods	After discussing with the finance - 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 charge	Other cost that company must pay for supplier	
Total	Last import price per order that company must pay	
Payment discount	Other discount per receipt that 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 return goods	Purchase return can have only 1 Purchase receipt number
Purchase receipt number	A unique business identifier for import goods	
Time	It is the time point was recorded in return/ goods were returned. It affects inventory at that time.	- 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
Create date	It is the time point was recorded when the company generates return activity.	- 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
Supplier	Name of the supplier that company order goods	After discussing with the finance - 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	
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	Value per receipt	

Time	It is the time point was recorded in receipt/ goods were damaged. It affects inventory at that time.	- 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
Create date	It is the time point was recorded when the company generates receipt.	- 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
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 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 has created.	- It is in format <i>dd/mm/yyyy hh:mm:ss</i> , 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 in receipt/ goods were recounted. It affects inventory at that time.	- It is in format <i>dd/mm/yyyy hh:mm:ss</i> , 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.
Total actual count	Total actual inventory recorded at the time of inventory count	
Total price actual	Total value of actual inventory recorded at the time of inventory count	
Total diff. qty	Total inventory is different from the system	- Equal Surplus quantity plus Missing quantity.

		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Completed: Receipt has confirmed. - Draft: Receipt has created and waited for confirmed.