Part1

<https://www.kaggle.com/datasets/carrie1/ecommerce-data>

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select stockcode as ProductsNumber, count (\*) as product\_count

from "AwsDataCatalog"."hw18-ecommerce"."data"

where quantity > 0

group by stockcode

order by product\_count desc

limit 10

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select customerid, sum(quantity \* unitprice) / count(distinct invoiceno) as average\_spend

from "AwsDataCatalog"."hw18-ecommerce"."data"

where customerid is not null and quantity > 0

group by customerid

order by average\_spend desc

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select

date\_format(

coalesce(

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i:%s')),

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i'))

),

'%Y-%m'

) as month,

sum(quantity \* unitprice) as revenue

from "AwsDataCatalog"."hw18-ecommerce"."data"

where coalesce(

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i:%s')),

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i'))

) is not null

group by 1

order by 1

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select

date\_format(

coalesce(

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i:%s')),

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i'))

),

'%Y-%m-%d'

) as day,

sum(quantity \* unitprice) as revenue

from "AwsDataCatalog"."hw18-ecommerce"."data"

where coalesce(

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i:%s')),

try(date\_parse(trim(InvoiceDate), '%c/%e/%Y %k:%i'))

) is not null

group by 1

order by revenue desc

limit 10

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Part 2：

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A close up of a number

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A close up of a document

AI-generated content may be incorrect.

A screenshot of a computer code

AI-generated content may be incorrect.

A screenshot of a graph

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A graph of colorful bars

AI-generated content may be incorrect.

A screen shot of a graph

AI-generated content may be incorrect.

A graph with many colored dots

AI-generated content may be incorrect.

A graph with many colored dots

AI-generated content may be incorrect.

A graph with blue lines

AI-generated content may be incorrect.

A graph of different colored lines

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