

Why CogniSights?

- Ask in Simple English, get realtime insights from data
- Enable Business Lobs with Self-serve insights
- No need to know any SQL to get real time insights
- Only your metadata is consumed no data exposed
- Privacy ensured, so your training data is secured
- Train for insights from variety of enterprise database metadata
- Infrastructure to custom train on your own enterprise metadata

Step by Step working of Cognisights

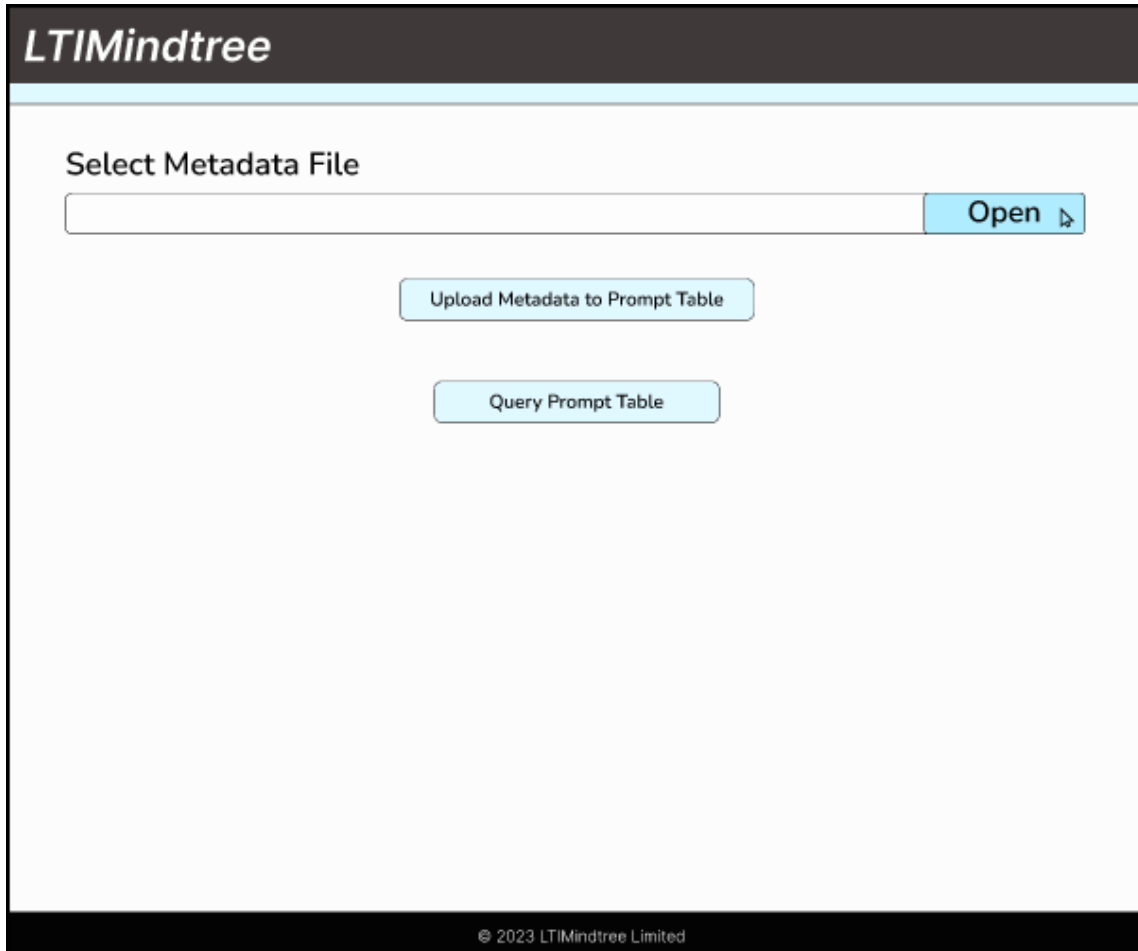
1 Prepare your database metadata in the below format of the list of table and column names

```

TABLE CUSTOMER (
  C_CUSTKEY          SERIAL,
  C_NAME            VARCHAR,
  C_ADDRESS         VARCHAR,
  C_NATIONKEY       INTEGER,
  C_PHONE           CHAR,
  C_ACCTBAL         DECIMAL,
  C_MKTSEGMENT      CHAR,
  C_COMMENT         VARCHAR
)
TABLE ORDERS (
  O_ORDERKEY        SERIAL,
  O_CUSTKEY         INTEGER,
  O_ORDERSTATUS     CHAR,
  O_TOTALPRICE      DECIMAL,
  O_ORDERDATE       DATE,
  O_ORDERPRIORITY   CHAR,
  O_CLERK           CHAR,
  O_SHIPPRIORITY    INTEGER,
  O_COMMENT         VARCHAR
)
TABLE PART (
  P_PARTKEY         SERIAL,
  P_NAME            VARCHAR,
  P_MFGR            CHAR,
  P_BRAND           CHAR,
  P_TYPE            VARCHAR,
  P_SIZE            INTEGER,
  P_CONTAINER       CHAR,
  P_RETAILPRICE     DECIMAL,
  P_COMMENT         VARCHAR
)

```

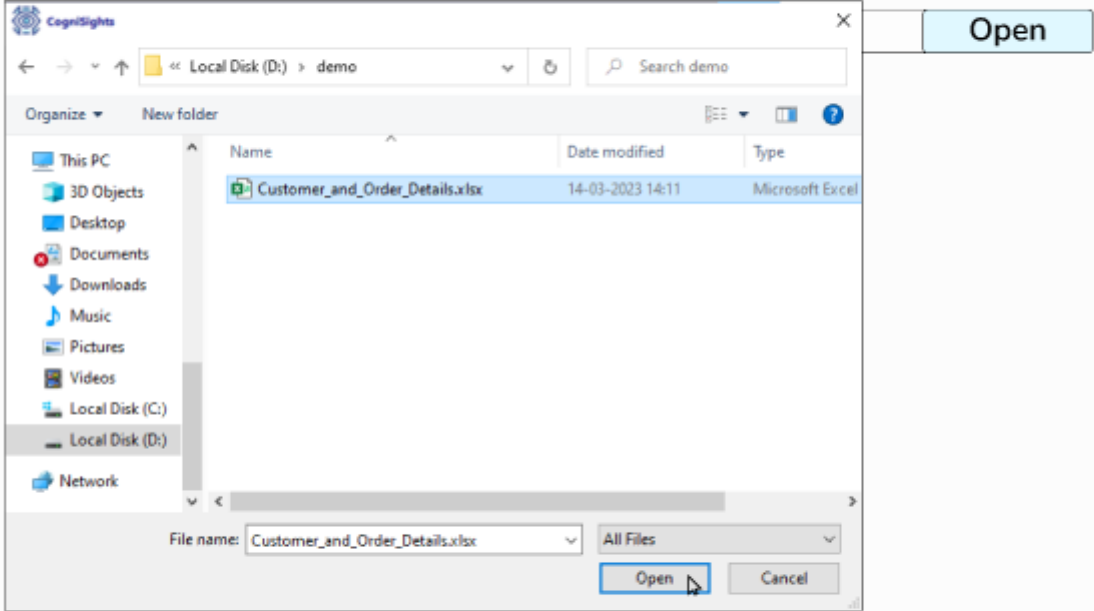
2 Load your database metadata with Table and Column names on to the CogniSights app



The screenshot shows the LTIMindtree CogniSights app interface. At the top, the LTIMindtree logo is displayed. Below the logo, the text "Select Metadata File" is shown. Underneath this text is a file selection input field with an "Open" button to its right. Below the input field, there are two buttons: "Upload Metadata to Prompt Table" and "Query Prompt Table". At the bottom of the interface, the copyright notice "© 2023 LTIMindtree Limited" is visible.

LTIMindtree

Select Metadata File



LTIMindtree

Select Metadata File

Customer_and_Order_Details.xlsx

Open

Upload Metadata to Prompt Table ↗

Query Prompt Table

LTIMindtree

Select Metadata File

Customer_and_Order_Details.xlsx

Open

Upload Metadata to Prompt Table

Upload Successful

Query Prompt Table

3 View GAI prompt table post loading

LTIMindtree

Select Metadata File

Customer_and_Order_Details.xlsx
Open

Upload Metadata to Prompt Table

Upload Successful

Query Prompt Table

Query Complete

id	Metadata	include	Table_name
1	TABLE CUSTOMER (C_CUSTKEY SERIAL, C_NAME VARCHAR, C_ADDRESS VARCHAR, C_NATIONKEY INTEGER, C_PHONE CHAR,	Y	CUSTOMER
2	TABLE ORDERS (O_ORDERKEY SERIAL, O_CUSTKEY INTEGER, O_ORDERSTATUS CHAR, O_TOTALPRICE DECIMAL, O_ORDERDATE DATE,	Y	ORDERS
3	TABLE PART (P_PARTKEY SERIAL, P_NAME VARCHAR, P_MFGR CHAR, P_BRAND CHAR, P_TYPE VARCHAR,	Y	PART

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4 Start writing your English queries to quickly get Insights from your data



What are the parts and corresponding suppliers involved in the 10 most delayed orders? ▶

> SQL

p_name	s_name
spring grey azure khaki lace	Supplier#000000098
almond linen pale aquamarine ghost	Supplier#000000055
bisque snow turquoise lace blush	Supplier#000000005
gainsboro dim navajo chartreuse olive	Supplier#000000042
moccasin lace rose navajo forest	Supplier#000000058
rose maroon mint burlywood powder	Supplier#000000074
brown saddle powder white peru	Supplier#000000040
light cornflower goldenrod orchid aquamarine	Supplier#000000064
seashell antique beige thistle cream	Supplier#000000095

5 Expand the SQL link to view the automated SQL returned for your English language query



What are the parts and corresponding suppliers involved in the 10 most delayed orders? ▶

∨ SQL


```
SELECT p.p_name, s.s_name
FROM part p
INNER JOIN partsupp ps ON p.p_partkey = ps.ps_partkey
INNER JOIN supplier s ON ps.ps_suppkey = s.s_suppkey
INNER JOIN lineitem l ON ps.ps_partkey = l.l_partkey AND ps.ps_suppkey = l.l_suppkey
INNER JOIN orders o ON l.l_orderkey = o.o_orderkey
ORDER BY l.l_shipdate DESC
LIMIT 10;
```

p_name	s_name
spring grey azure khaki lace	Supplier#000000098
almond linen pale aquamarine ghost	Supplier#000000055
bisque snow turquoise lace blush	Supplier#000000005

6 View and Retrieve your archived queries

Archived Queries

- > What are my top 10 orders?
- > What are the top 10 orders order key, cust key, and order date sorted by total price in descending order?
- > What is the highest discount applied to line items using the most frequent ship mode?
- > Find the customers whose total spending on orders are in the top 10
- > What are the parts and corresponding suppliers involved in the 10 most delayed orders
- > Which are the most profitable countries and regions?
- > Which suppliers has most supply cost?
- > Who are my top 3 customers?
- > Who are my most valuable customers from the smaller regions?
- > How many customers are in each country and region?
- > Finde die Anzahl der Kunden für jedes Land und jede Region, ich benötige nur Land, Region und Anzahl(German)
- > Encuentra la cantidad de clientes para cada país y región, solo necesito país, región y cantidad(Spanish)



What are the parts and corresponding suppliers involved in the 10 most delayed orders , c ▶

> SQL

p_name	s_name
spring grey azure khaki lace	Supplier#000000098
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light cornflower goldenrod orchid aquamarine	Supplier#000000064
seashell antique beige thistle cream	Supplier#000000095

CogniSights Benefits

- Improve real-time decision making for business
- Reduce dependency on IT teams, ticket volumes and service cost
- 80% effort reduction for data analysis
- Work across any database (RDBMS and NoSQL) repository
- Reliable and efficient execution of long running queries for large data volumes
- Achieve low latency by leveraging Azure durable functions.
- Pay as you Go Pricing Model with Azure OpenAI