

GraphRAG - Art Show data

Step 1: Query the Art Show data

1.0 Graph query: Hardcoded vs. LLM

Chose between hardcoded and LLM generated graph query

☐ Hardcoded

☒ LLM

1.1 Query in natural language

Enter your query here:

1.2 Sample queries as reference

How many visitors attended ART SHOW YEAR 3?

List all visitors of ART SHOW YEAR 3?

Step 2: Visualize relevant subgraph

@prefix ns1: <http://example.org/schema#> .

@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .

```
ns1:Contact_10 a ns1:Contact,  
ns1:DefinedVisitor,  
ns1:Visitor ;  
rdfs:label "Henry Smith"@en ;  
ns1:hasBoughtTicket ns1:Ticket_1001 .
```

```
ns1:PersonAccount_100 a ns1:DefinedVisitor,
```

```
ns1:PersonAccount,  
ns1:Visitor ;  
rdfs:label "Barack Obama"@en ;  
ns1:hasBoughtTicket ns1:Ticket_1002 .
```

```
ns1:PersonAccount_101 a ns1:DefinedVisitor,  
ns1:PersonAccount,  
ns1:Visitor ;  
rdfs:label "Heinz Schuster"@en ;  
ns1:hasBoughtTicket ns1:Ticket_1003 .
```

Step 3: Provide final answer

Henry Smith, Barack Obama, and Heinz Schuster are listed as visitors.