

1

Your CSV data/file



Upload to  
Sqlite3

2

Create a function  
to generate sql  
query based on  
user question

+

Create a function  
to take query  
from the other  
function and run  
it and get  
numerical output



Google Function  
Calling With  
Gemini API (Use  
our 2 functions as  
tools for the  
model)

3

LLM first uses the  
prompt and the  
table schema and  
generates a sql  
query+chart type



Sql query is  
passed to the 2nd  
function that runs  
the query against  
the data



Use chart type  
to show chart  
to user if  
appropriate

Pass user's  
prompt along  
with the 2  
tools/functions  
to the LLM



User  
question  
about the  
data in CSV



Gemini 2.0/LLM  
takes the query  
output plus original  
prompt & provides  
an answer back to  
the user

