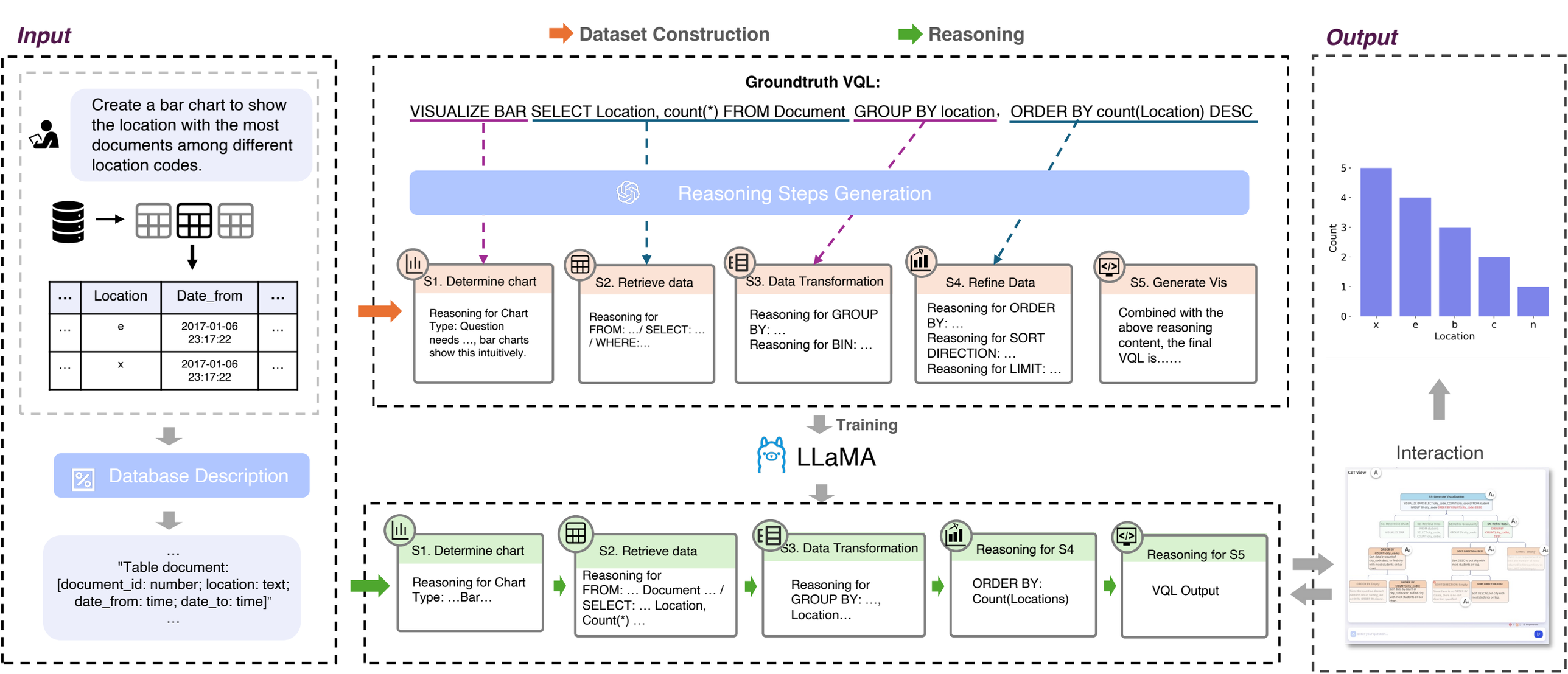
Input
Dataset Construction
Reasoning
Output
Create a bar chart to show the location with the most documents among different location codes.
… | Location | Date_from | …
… | e | 2017-01-06 23:17:22 | …
… | x | 2017-01-06 23:17:22 | …
Database Description
…
"Table document:
[document_id: number; location: text;
date_from: time; date_to: time]"
…
Groundtruth VQL:
VISUALIZE BAR SELECT Location, count(*) FROM Document GROUP BY location, ORDER BY count(Location) DESC
Reasoning Steps Generation
S1. Determine chart
Reasoning for Chart Type: Question needs …, bar charts show this intuitively.
S2. Retrieve data
Reasoning for FROM: …/ SELECT: … / WHERE:…
S3. Data Transformation
Reasoning for GROUP BY: …
Reasoning for BIN: …
S4. Refine Data
Reasoning for ORDER BY: …
Reasoning for SORT DIRECTION: …
Reasoning for LIMIT: …
S5. Generate Vis
Combined with the above reasoning content, the final VQL is……
Training
LLaMA
S1. Determine chart
Reasoning for Chart Type: …Bar…
S2. Retrieve data
Reasoning for FROM: … Document … / SELECT: … Location, Count(*) …
S3. Data Transformation
Reasoning for GROUP BY: …, Location…
Reasoning for S4
ORDER BY: Count(Locations)
Reasoning for S5
VQL Output
Count
Location
x
e
b
c
n
Interaction