Dataset Information: ema.silver.electricityconsumption

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| Column | Туре | Description | | |
|------------------------|--------|---|--|--|
| Date | date | The specific date of the recorded electricity consumption. | | |
| Month | date | The month of the recorded electricity consumption. | | |
| Postal | int | The postal code of the location where the electricity consumption is recorded. | | |
| latitude | double | The latitude coordinate of the location. | | |
| longitude | double | The longitude coordinate of the location. | | |
| BlockNumber | string | The block number of the building in Singapore. | | |
| road_name | string | The name of the road where the building is located. | | |
| building | string | The name or identifier of the building. | | |
| address | string | The full address of the building, including block number and road name. | | |
| flat_type | string | The type of flat in Singapore, with possible values: "HDB 1-Room", "HDB 2-Room", "HDB 3-Room", "HDB 4-Room", "HDB 5-Room", "HDB Executive". | | |
| electricity_provider | | The electricity provider, with possible values: "Geneco", "Keppel Electric", "Senoko Energy", "Tuas Power", "Pacific Light", "Sembcorp". | | |
| ElectricityConsumption | double | The amount of electricity consumed in kWh. | | |

Example Queries:

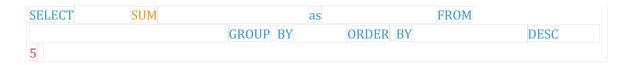
1. Query to get electricity consumption for a specific date and postal code:

| sql | | |
|---------------------------|------|-------|
| Copy code | | |
| SELECT Date | FROM | WHERE |
| Date 2024-01-01 AND 12345 | 6 | |

2. Query to find the total electricity consumption for a specific month across all locations:

| sql | | | |
|-----------|--|--|--|
| Copy code | | | |

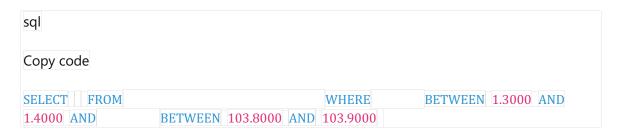
| | SELECT SUM | as FROM WHERE Month '2024-01' | 1 | | | | | |
|----|--|-------------------------------|-------------------------|--|--|--|--|--|
| 2 | Owen to list all unimus | -1 | | | | | | |
| 3. | 3. Query to list all unique electricity providers: | | | | | | | |
| | sql | | | | | | | |
| | Copy code | | | | | | | |
| | SELECT DISTINCT | FROM | | | | | | |
| 4. | Query to get the averag | e electricity consumption pe | er flat type: | | | | | |
| | sql | | | | | | | |
| | | | | | | | | |
| | Copy code | | | | | | | |
| | SELECT AVG | GROUP BY | FROM | | | | | |
| | | | | | | | | |
| 5. | Query to find the total of | electricity consumption for e | each block number: | | | | | |
| | sql | | | | | | | |
| | Copy code | | | | | | | |
| | SELECT SUM | as | FROM | | | | | |
| | | GROUP BY | | | | | | |
| 6. | Query to get the electric | city consumption details for | a specific address: | | | | | |
| | sql | | | | | | | |
| | Copy code | | | | | | | |
| | | | | | | | | |
| | SELECT Date Month '123 Example Road, | FROM Block 456' | WHERE | | | | | |
| 7 | - | | | | | | | |
| 7. | Query to find the top 5 | locations with the highest e | lectricity consumption: | | | | | |
| | sql | | | | | | | |
| | Copy code | | | | | | | |



8. Query to get the average electricity consumption for a specific provider:



9. Query to find all records for a specific latitude and longitude range:



10. Query to get the monthly electricity consumption trend for a specific flat type:

