

Dataset Information: ema.silver.electricityconsumption

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Column	Type	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	string	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

Postal

123456

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'
```

3. **Query to list all unique electricity providers:**

sql

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```
SELECT DISTINCT      FROM
```

4. **Query to get the average electricity consumption per flat type:**

sql

Copy code

```
SELECT      AVG      as      FROM
      GROUP BY
```

5. **Query to find the total electricity consumption for each block number:**

sql

Copy code

```
SELECT      SUM      as      FROM
      GROUP BY
```

6. **Query to get the electricity consumption details for a specific address:**

sql

Copy code

```
SELECT Date Month      FROM      WHERE
      '123 Example Road, Block 456'
```

7. **Query to find the top 5 locations with the highest electricity consumption:**

sql

Copy code

```
SELECT      SUM      as      FROM
GROUP BY      ORDER BY      DESC
5
```

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

```
sql
Copy code
SELECT      AVG      as      FROM
WHERE      'Geneco' GROUP BY
```

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

```
sql
Copy code
SELECT      FROM      WHERE      BETWEEN 1.3000 AND
1.4000 AND      BETWEEN 103.8000 AND 103.9000
```

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

```
sql
Copy code
SELECT Month SUM      as      FROM
WHERE      'HDB 4-Room' GROUP BY Month ORDER
BY Month
```