

```
select * from global_cybersecurity_threats gct;
```

```
/* Missing Data*/
```

```
SELECT
```

```
    COUNT(*) AS "total_rows",
    COUNT(CASE WHEN "Country" IS NULL THEN 1 END) AS "missing_country",
    COUNT(CASE WHEN "Year" IS NULL THEN 1 END) AS "missing_year",
    COUNT(CASE WHEN "Attack_Type" IS NULL THEN 1 END) AS "missing_attack_type",
    COUNT(CASE WHEN "Target_Industry" IS NULL THEN 1 END) AS "missing_target_industry",
    COUNT(CASE WHEN "Financial_Loss(in Million $)" IS NULL THEN 1 END) AS
    COUNT(CASE WHEN "Number_of_Affected_Users" IS NULL THEN 1 END) AS
    COUNT(CASE WHEN "Attack_Source" IS NULL THEN 1 END) AS "missing_attack_source",
    COUNT(CASE WHEN "Security_Vulnerability_Type" IS NULL THEN 1 END) AS
    COUNT(CASE WHEN "Defense_Mechanism_Used" IS NULL THEN 1 END) AS
    COUNT(CASE WHEN "Incident_Resolution_Time(in Hours)" IS NULL THEN 1 END) AS
```

```
FROM global_cybersecurity_threats gct ;
```

```
/*remove outliers* always use " */
```

```
SELECT
```

```
    MIN("Financial_Loss(in Million $)") AS "min_loss",
    MAX("Financial_Loss(in Million $)") AS "max_loss",
    AVG("Financial_Loss(in Million $)") AS "avg_loss"
```

```
FROM "global_cybersecurity_threats" gct;
```

```
/*Summary Statistics*/
```

```
SELECT
```

```
    COUNT(*) AS "total_incidents",
    AVG("Financial_Loss(in Million $)") AS "avg_loss",
    MAX("Financial_Loss(in Million $)") AS "max_loss",
    MIN("Financial_Loss(in Million $)") AS "min_loss",
    AVG("Incident_Resolution_Time(in Hours)") AS "avg_resolution_time"
```

```
from global_cybersecurity_threats gct ;
```

```
/*Count of Attacks by Type*/
```

```
SELECT "Attack_Type", COUNT(*) AS "attack_count"
```

```
FROM global_cybersecurity_threats gct
```

```
GROUP BY "Attack_Type"
```

```
ORDER BY "attack_count" DESC;
```

```
/*Financial Loss by Country*/
```

```
SELECT "Country", SUM("Financial_Loss(in Million $)") AS "total_loss"
```

```
FROM global_cybersecurity_threats gct
```

```
GROUP BY "Country"
```

```
ORDER BY "total_loss" DESC;
```

```
/*Number of Affected Users by Industry*/
```

```
SELECT "Target_Industry", SUM("Number_of_Affected_Users") AS "total_affected_users"
```

```
FROM global_cybersecurity_threats gct
```

```
GROUP BY "Target_Industry"
```

```
ORDER BY "total_affected_users" DESC;
```

```
/*Average Incident Resolution Time by Attack Source*/
```

```
SELECT "Attack_Source", AVG("Incident_Resolution_Time(in Hours)") AS "avg_resolution_time"
```

```
FROM global_cybersecurity_threats gct
```

```
GROUP BY "Attack_Source"
```

```
ORDER BY "avg_resolution_time" DESC;
```

```
/*Trends Over Time (Yearly Analysis)*/
```

```
SELECT "Year", COUNT(*) AS "incidents_per_year"
```

```
FROM global_cybersecurity_threats gct
```

```
GROUP BY "Year"
```

```
ORDER BY "Year";
```

```
/*Industry Analysis by Attack Type*/
```

```
SELECT "Target_Industry", "Attack_Type", COUNT(*) AS "attack_count"
```

```
FROM global_cybersecurity_threats gct
GROUP BY "Target_Industry", "Attack_Type"
ORDER BY "Target_Industry", "Attack_Type";
```

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