**Database:** UFO\_Project\_db

**Table:** ufo\_sightings

Graphical user interface, application

Description automatically generated

**-- Countries and number of sightings**

SELECT DISTINCT(UPPER(country)), COUNT(country)

FROM ufo\_sightings

GROUP BY country

ORDER BY COUNT(country) DESC;

Graphical user interface, application

Description automatically generated

**-- Get the top 20 states with most sightings in the US**

SELECT UPPER(state), COUNT(state)

FROM ufo\_sightings

WHERE country = 'us'

GROUP BY state

ORDER BY COUNT(state) DESC

FETCH FIRST 20 ROWS ONLY;

Table

Description automatically generated with medium confidence

**-- Get the top 20 states with the most sightings not in the US**

SELECT UPPER(state), COUNT(state)

FROM ufo\_sightings

WHERE country != 'us'

GROUP BY state

ORDER BY COUNT(state) DESC

FETCH FIRST 20 ROWS ONLY;

A picture containing text, white

Description automatically generated

**--- Get the top 5 shapes for each country please note this is one very long SQL statement**

SELECT \*

FROM (

SELECT UPPER(country), shape, COUNT(shape)

FROM ufo\_sightings

WHERE country = 'us'

GROUP BY country, shape

ORDER BY COUNT(shape) DESC

FETCH FIRST 5 ROWS ONLY) usa

UNION ALL

SELECT \*

FROM (

SELECT UPPER(country), shape, COUNT(shape)

FROM ufo\_sightings

WHERE country = 'ca'

GROUP BY country, shape

ORDER BY COUNT(shape) DESC

FETCH FIRST 5 ROWS ONLY) can

UNION ALL

SELECT \*

FROM (

SELECT UPPER(country), shape, COUNT(shape)

FROM ufo\_sightings

WHERE country = 'gb'

GROUP BY country, shape

ORDER BY COUNT(shape) DESC

FETCH FIRST 5 ROWS ONLY) gbr

UNION ALL

SELECT \*

FROM (

SELECT UPPER(country), shape, COUNT(shape)

FROM ufo\_sightings

WHERE country = 'au'

GROUP BY country, shape

ORDER BY COUNT(shape) DESC

FETCH FIRST 5 ROWS ONLY) aus;

A picture containing chart

Description automatically generated

**-- Uses 0-to-9 decade the most widely used method for denominating decades.**

**-- This query goes from 1940s to roughly mid-2014 (the latest data).**

SELECT 'Decade: 1940 - 1949' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '1940' AND '1949'

UNION ALL

SELECT 'Decade: 1950 - 1959' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '1950' AND '1959'

UNION ALL

SELECT 'Decade: 1960 - 1969' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '1960' AND '1969'

UNION ALL

SELECT 'Decade: 1970 - 1979' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '1970' AND '1979'

UNION ALL

SELECT 'Decade: 1980 - 1989' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '1980' AND '1989'

UNION ALL

SELECT 'Decade: 1990 - 1999' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '1990' AND '1999'

UNION ALL

SELECT 'Decade: 2000 - 2014' AS "Decade", COUNT(\*) AS "# of Sightings"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'YYYY') BETWEEN '2000' AND '2014'

ORDER BY 1;

Table

Description automatically generated

**-- This takes all data from 1910 - 2014 and counts the number of sightings by month.**

**-- This equals the total number of records in the dataset.**

SELECT '01' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '01'

UNION ALL

SELECT '02' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '02'

UNION ALL

SELECT '03' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '03'

UNION ALL

SELECT '04' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '04'

UNION ALL

SELECT '05' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '05'

UNION ALL

SELECT '06' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '06'

UNION ALL

SELECT '07' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '07'

UNION ALL

SELECT '08' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '08'

UNION ALL

SELECT '09' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '09'

UNION ALL

SELECT '10' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '10'

UNION ALL

SELECT '11' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '11'

UNION ALL

SELECT '12' AS "Month", COUNT(\*) AS "# of Sightings in month"

FROM ufo\_sightings

WHERE TO\_CHAR(datetime,'MM') = '12'

ORDER BY 1;

Table

Description automatically generated

**Flask**

Graphical user interface, text

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Text

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Table

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