

# Project DB Population & SQL

CIS 5500

## Team Members

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## Guest DB Credentials

DB\_HOST="egot-db.cjt6jfcdrs2a.us-east-1.rds.amazonaws.com"

DB\_PORT="3306"

DB\_USERNAME="egot\_guest"

DB\_PASSWORD="johnlegend2024"

DB\_NAME="egot"

## SQL Queries

### 1. Return all EGOT winners

```
SELECT DISTINCT n.name
```

```
FROM egot.nominee n
```

```
JOIN egot.grammy_nomination gn ON n.id = gn.nominee_id AND gn.winner = True
```

```
JOIN egot.emmy_nomination en ON n.id = en.nominee_id AND en.winner = True
```

```
JOIN egot.oscar_nomination onn ON n.id = onn.nominee_id AND onn.winner = True
```

```
JOIN egot.tony_nomination tn ON n.id = tn.nominee_id AND tn.winner = True;
```

## 2. Show all artists/nominees who are EGOT winners

Showing them by who did it by the youngest age and who did it in the shortest period of time.

```
WITH min_years AS (  
    SELECT n.id AS nominee_id,  
    MIN(o.year) AS min_oscar_year,  
    MIN(g.year) AS min_grammy_year,  
    MIN(t.year) AS min_tony_year,  
    MIN(e.year) AS min_emmy_year  
    FROM egot.nominee n  
    LEFT JOIN egot.oscar_nomination o ON n.id = o.nominee_id AND o.winner = TRUE  
    LEFT JOIN egot.grammy_nomination g ON n.id = g.nominee_id AND g.winner = TRUE  
    LEFT JOIN egot.tony_nomination t ON n.id = t.nominee_id AND t.winner = TRUE  
    LEFT JOIN egot.emmy_nomination e ON n.id = e.nominee_id AND e.winner = TRUE  
    GROUP BY n.id  
)  
  
SELECT n.name AS nominee_name,  
    GREATEST(min_years.min_oscar_year, min_years.min_grammy_year, min_years.min_tony_year,  
    min_years.min_emmy_year) - n.birth_year AS age,  
    GREATEST(min_years.min_oscar_year, min_years.min_grammy_year, min_years.min_tony_year,  
    min_years.min_emmy_year) - LEAST(min_years.min_oscar_year, min_years.min_grammy_year,  
    min_years.min_tony_year, min_years.min_emmy_year) AS years_to_egot  
    FROM min_years  
  
JOIN egot.nominee n ON min_years.nominee_id = n.id  
  
WHERE min_oscar_year IS NOT NULL  
    AND min_grammy_year IS NOT NULL  
    AND min_tony_year IS NOT NULL  
    AND min_emmy_year IS NOT NULL  
  
ORDER BY age ASC, years_to_egot ASC;
```

### 3. What is the most common combinations of two award winners

WITH emmy\_tony\_winners AS (

```
    SELECT DISTINCT name
      FROM nominee
      JOIN emmy_nomination ON nominee.name = emmy_nomination.nominee_id AND emmy_nomination.winner =
True
      JOIN tony_nomination ON nominee.name = tony_nomination.nominee_id AND tony_nomination.winner = True
    ),
```

emmy\_oscar\_winners AS (

```
    SELECT DISTINCT name
      FROM nominee
      JOIN emmy_nomination ON nominee.name = emmy_nomination.nominee_id AND emmy_nomination.winner =
True
      JOIN oscar_nomination ON nominee.name = oscar_nomination.nominee_id AND oscar_nomination.winner =
True
    ),
```

emmy\_grammy\_winners AS (

```
    SELECT DISTINCT name
      FROM nominee
      JOIN emmy_nomination ON nominee.name = emmy_nomination.nominee_id AND emmy_nomination.winner =
True
      JOIN grammy_nomination ON nominee.name = grammy_nomination.nominee_id AND
grammy_nomination.winner = True
    ),
```

tony\_oscar\_winners AS (

```
    SELECT DISTINCT name
      FROM nominee
      JOIN oscar_nomination ON nominee.name = oscar_nomination.nominee_id AND oscar_nomination.winner =
True
      JOIN tony_nomination ON nominee.name = tony_nomination.nominee_id AND tony_nomination.winner = True
    ),
```

tony\_grammy\_winners AS (

SELECT DISTINCT name

FROM nominee

JOIN grammy\_nomination ON nominee.name = grammy\_nomination.nominee\_id AND  
grammy\_nomination.winner = True

JOIN tony\_nomination ON nominee.name = tony\_nomination.nominee\_id AND tony\_nomination.winner = True

),

grammy\_oscar\_winners AS (

SELECT DISTINCT name

FROM nominee

JOIN grammy\_nomination ON nominee.name = grammy\_nomination.nominee\_id AND  
grammy\_nomination.winner = True

JOIN oscar\_nomination ON nominee.name = oscar\_nomination.nominee\_id AND oscar\_nomination.winner =  
True

)

SELECT

(SELECT COUNT(\*) FROM grammy\_oscar\_winners) AS grammy\_oscar\_winners,

(SELECT COUNT(\*) FROM tony\_grammy\_winners) AS tony\_grammy\_winners\_amount,

(SELECT COUNT(\*) FROM tony\_oscar\_winners) AS tony\_oscar\_winners\_amount,

(SELECT COUNT(\*) FROM emmy\_grammy\_winners) AS emmy\_grammy\_winners\_amount,

(SELECT COUNT(\*) FROM emmy\_oscar\_winners) AS emmy\_oscar\_winners\_amount,

(SELECT COUNT(\*) FROM emmy\_tony\_winners) AS emmy\_tony\_winners\_amount

#### 4. Identify individuals that have won three-plus awards in the last twenty years

WITH all\_winning\_nominations AS (

SELECT e.nominee\_id, year

FROM egot.emmy\_nomination e

WHERE winner=TRUE

UNION ALL

SELECT g.nominee\_id, year

FROM egot.grammy\_nomination g

WHERE winner=TRUE

UNION ALL

SELECT o.nominee\_id, year

FROM egot.oscar\_nomination o

WHERE winner=TRUE

UNION ALL

SELECT t.nominee\_id,year

FROM egot.tony\_nomination t

WHERE winner=TRUE

)

SELECT n.name, COUNT(\*) amount

FROM nominee n

JOIN all\_winning\_nominations ON n.id=all\_winning\_nominations.nominee\_id

WHERE year > 2010

GROUP BY n.name

HAVING amount > 10

ORDER BY amount DESC;

## 5. Who has won 3 of the 4 awards

WITH no\_emmys AS (SELECT DISTINCT n.name

FROM egot.nominee n

JOIN egot.grammy\_nomination gn ON n.id = gn.nominee\_id AND gn.winner = True

JOIN egot.oscar\_nomination onn ON n.id = onn.nominee\_id AND onn.winner = True

JOIN egot.tony\_nomination tn ON n.id = tn.nominee\_id AND tn.winner = True),

no\_grammys AS (SELECT DISTINCT n.name

FROM egot.nominee n

JOIN egot.oscar\_nomination onn ON n.id = onn.nominee\_id AND onn.winner = True

JOIN egot.emmy\_nomination en ON n.id = en.nominee\_id AND en.winner = True

JOIN egot.tony\_nomination tn ON n.id = tn.nominee\_id AND tn.winner = True),

no\_oscars AS (SELECT DISTINCT n.name

FROM egot.nominee n

JOIN egot.grammy\_nomination gn ON n.id = gn.nominee\_id AND gn.winner = True

JOIN egot.emmy\_nomination en ON n.id = en.nominee\_id AND en.winner = True

JOIN egot.tony\_nomination tn ON n.id = tn.nominee\_id AND tn.winner = True),

no\_tonys AS (SELECT DISTINCT n.name

FROM egot.nominee n

JOIN egot.grammy\_nomination gn ON n.id = gn.nominee\_id AND gn.winner = True

JOIN egot.oscar\_nomination onn ON n.id = onn.nominee\_id AND onn.winner = True

JOIN egot.emmy\_nomination en ON n.id = en.nominee\_id AND en.winner = True)

SELECT \*

FROM no\_emmys

UNION

SELECT \*

FROM no\_grammys

UNION

SELECT \*

```
FROM no_oscars
```

```
UNION
```

```
SELECT *
```

```
FROM no_tonys;
```

## 6. Nominees that have been nominated for both an Oscar and a Grammy in the same year but didn't win either award

```
SELECT DISTINCT n.name AS nominee_name,  
               o.year AS oscar_year,  
               g.year AS grammy_year  
FROM egot.nominee n  
JOIN egot.oscar_nomination o ON n.id = o.nominee_id  
JOIN egot.grammy_nomination g ON n.id = g.nominee_id  
WHERE o.winner = FALSE  
      AND g.winner = FALSE  
      AND o.year = g.year  
ORDER BY o.year;
```