

## Accessing the data - p2 - Lecture 13

### Accessing the data - p2

```
mysql> SELECT * FROM people LIMIT 10 OFFSET 10;
+----+-----+-----+-----+
| id | Name      | birth_date | dateOfDeath |
+----+-----+-----+-----+
| 11 | AaronHughes | NULL       | NULL        |
| 12 | AaronKwok   | 1965-10-26 | NULL        |
| 13 | AaronSchneider | NULL       | NULL        |
| 14 | AaronSeltzer | 1974-01-12 | NULL        |
| 15 | AaronStanford | 1976-12-27 | NULL        |
| 16 | AaronStaton  | NULL       | NULL        |
| 17 | AaronYoo    | 1979-05-12 | NULL        |
| 18 | AasheekaaBathija | NULL       | NULL        |
| 19 | AasifMandvi  | 1966-03-05 | NULL        |
| 20 | AbbieCornish | 1982-08-07 | NULL        |
+----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> SELECT * FROM people LIMIT 10 OFFSET 20;
+----+-----+-----+-----+
| id | Name      | birth_date | dateOfDeath |
+----+-----+-----+-----+
| 21 | AbbyElliott | 1987-06-16 | NULL        |
| 22 | AbbyMukiibiNkaaga | NULL       | NULL        |
| 23 | AbelFerrara | 1951-07-19 | NULL        |
| 24 | AbhishekBachchan | 1976-02-05 | NULL        |
| 25 | AbigailEvans | NULL       | NULL        |
| 26 | AbigailSpencer | 1981-08-04 | NULL        |
| 27 | AbrahamBenrubi | 1969-10-04 | NULL        |
| 28 | AceMarrero   | 1982-07-28 | NULL        |
| 29 | AdamAlexiMalle | 1964-09-24 | NULL        |
| 30 | AdamArkin   | 1956-08-19 | NULL        |
+----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> SELECT COUNT(*) FROM people;
+-----+
| COUNT(*) |
+-----+
| 8397 |
+-----+
```

```
mysql> SELECT COUNT(name) FROM people;
+-----+
| COUNT(name) |
+-----+
| 8397 |
+-----+
1 row in set (0.01 sec)

mysql> SELECT COUNT(id) FROM people;
+-----+
| COUNT(id) |
+-----+
| 8397 |
+-----+
1 row in set (0.01 sec)

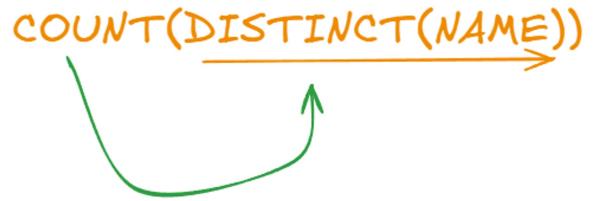
mysql> SELECT COUNT(birth_date) FROM people;
+-----+
| COUNT(birth_date) |
+-----+
| 6152 |
+-----+
1 row in set (0.01 sec)

mysql> SELECT COUNT(name) - Count(birth_date) FROM people;
+-----+
| COUNT(name) - Count(birth_date) |
+-----+
| 2245 |
+-----+
1 row in set (0.01 sec)

mysql> SELECT COUNT(name) - Count(birth_date) AS Info FROM people;
+-----+
| Info |
+-----+
| 2245 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT Count(dateOfDeath) FROM people;
+-----+
| Count(dateOfDeath) |
+-----+
|          787 |
+-----+
1 row in set (0.01 sec)
```

COUNT(DISTINCT(NAME))



4. Question: find total number of German movies from films table.

```
mysql> SELECT Count(*) as CountOfGermanMovies FROM films where Country = "Germany";
+-----+
| CountOfGermanMovies |
+-----+
|          97 |
+-----+
1 row in set (0.02 sec)

mysql> SELECT Count(*) as CountOfGermanMovies FROM films where language = "German";
+-----+
| CountOfGermanMovies |
+-----+
|          19 |
+-----+
1 row in set (0.01 sec)
```

5. Question: find total number of movies released after 2000 and before 2015

```
mysql> SELECT COUNT(*) FROM films WHERE YEAR BETWEEN 2000 AND 2015;
+-----+
| COUNT(*) |
+-----+
|      3471 |
+-----+
1 row in set (0.01 sec)

mysql> SELECT COUNT(*) FROM films WHERE YEAR > 2000 AND YEAR < 2015;
+-----+
| COUNT(*) |
+-----+
|      3077 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT COUNT(*) FROM films WHERE YEAR BETWEEN 2001 AND 2014;
+-----+
| COUNT(*) |
+-----+
|      3077 |
+-----+
1 row in set (0.01 sec)
```

**SELECT DISTINCT language FROM films;**

```
SELECT DISTINCT(LANGUAGE) FROM Films;
```

```
SELECT DISTINCT(COUNTRY) FROM Films;
```

```
mysql> SELECT COUNT(Language) FROM films;
+-----+
| COUNT(Language) |
+-----+
|        4914 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT COUNT(DISTINCT(Language)) FROM films;
+-----+
| COUNT(DISTINCT(Language)) |
+-----+
|          46 |
+-----+
1 row in set (0.02 sec)
```

Count(Language) - Count(Distinct(Language))

4914 - 46 == 4868.

```
mysql> SELECT COUNT(DISTINCT Birth_date) AS count_unique_birthdates
    -> FROM people;
+-----+
| count_unique_birthdates |
+-----+
|            5398 |
+-----+
```

**Question:** Count distinct title of movies released in USA and in year (1920,1929,1932,1935,1933) from film table.

```
mysql> SELECT COUNT(DISTINCT(title)) FROM films
-> WHERE Country = "USA" AND YEAR IN (1920, 1929 , 1932 , 1935 , 1933);
+-----+
| COUNT(DISTINCT(title)) |
+-----+
|          6           |
+-----+
1 row in set (0.01 sec)

mysql> SELECT DISTINCT(title) FROM films
-> WHERE Country = "USA" AND YEAR IN (1920, 1929 , 1932 , 1935 , 1933);
+-----+
| title          |
+-----+
| Over the Hill to the Poorhouse |
| The Broadway Melody   |
| A Farewell to Arms    |
| 42nd Street       |
| She Done Him Wrong  |
| Top Hat          |
+-----+
6 rows in set (0.01 sec)
```

```
mysql> SELECT COUNT(DISTINCT(title)) as Vintage_movies FROM films
-> WHERE Country = "USA" AND YEAR IN (1920, 1929 , 1932 , 1935 , 1933);
+-----+
| Vintage_movies |
+-----+
|          6      |
+-----+
1 row in set (0.01 sec)
```

COUNT(Distinct(title))

```
count_(distinct>Title)
```

**Question:** count distinct years of movies where run time of movie is greater than 2 hour from film table.

```
mysql> SELECT COUNT(DISTINCT(YEAR)) as "Time_Consuming_Movies" FROM films where Runtime > 120;
+-----+
| Time_Consuming_Movies |
+-----+
|          73 |
+-----+
1 row in set (0.01 sec)

mysql> SELECT COUNT(DISTINCT(YEAR)) as "Time_Consuming_Movies" FROM films where Runtime/60 > 2;
+-----+
| Time_Consuming_Movies |
+-----+
|          73 |
+-----+
1 row in set (0.00 sec)
```