

### Table Details:

The table name is BabyNames and the Columns are: ID ( INT, Primary Key), name (Text), gender (Text) , year (INT) and count (INT).

### Query Results:

Query 1: Retrieve the top 10 most popular names for 2020.

```
SELECT *  
FROM babynames  
WHERE year = '2020'  
ORDER BY count DESC  
LIMIT 10;
```

#	id	name	gender	year	count
1	247338	Liam	M	2020	19828
2	247339	Noah	M	2020	18407
3	229853	Olivia	F	2020	17664
4	229854	Emma	F	2020	15680
5	247340	Oliver	M	2020	14261
6	229855	Ava	F	2020	13179
7	247341	Elijah	M	2020	13172
8	229856	Charlotte	F	2020	13083
9	229857	Sophia	F	2020	13070
1	229858	Amelia	F	2020	12780

**Query 2: Find the total count of baby names for each gender in 2022.**

```
SELECT  
COUNT(*) AS 'Female names'  
FROM babynames  
WHERE year = 2022 and  
gender = 'F';
```

Result =  
17660

```
SELECT  
COUNT(*) AS 'Male names'  
FROM babynames  
WHERE year = 2022 and  
gender = 'M';
```

Result = 14255

**Query 3: Identify the least common names used for each gender in 2015.**

```
SELECT *  
FROM babynames  
WHERE year = 2015 and  
gender = 'M'  
ORDER BY count  
Limit 3000;
```

```
SELECT *  
FROM babynames  
WHERE year = 2015 and  
gender = 'F'  
ORDER BY count  
Limit 3000;
```

3000 least common names are displayed for each gender.

**Query 4: Calculate the average frequency of your name across all available years to determine the trend in the past decade.**

```
SELECT name, year, count,
COUNT(name) AS frequency
FROM babynames
Where name = 'Edward'
GROUP BY year, name, count
ORDER BY year, name, count DESC;
```

#	name	year	count	frequency
1	Edward	2013	2709	1
2	Edward	2014	2591	1
3	Edward	2014	5	1
4	Edward	2015	2601	1
5	Edward	2016	2515	1
6	Edward	2017	2326	1
7	Edward	2018	2283	1
8	Edward	2019	2050	1
9	Edward	2020	1948	1
1	Edward	2021	1746	1
1	Edward	2022	1736	1

Used at a low frequency with the highest year being 2013 and the lowest being 2022 with the exception of 5 females using that name in 2014. All of the rest were males.

**Query 5: Determine the names that have consistently ranked in the top 100 regardless of the gender for the past 10 years.**

```

SELECT name, year, count,
DENSE_RANK() OVER(ORDER BY count DESC) Rank
FROM babynames
LIMIT 100;

```

Sophia is the number one ranked name.

Sophia	2013	21244	1
Emma	2013	20958	2
Emma	2014	20958	2
Liam	2019	20601	3
Emma	2015	20478	4
Liam	2022	20456	5
Liam	2021	20365	6
Liam	2018	19957	7
Emma	2017	19857	8
Olivia	2014	19829	9
Liam	2020	19828	10
Olivia	2015	19717	11
Noah	2015	19666	12
Emma	2016	19536	13
Olivia	2016	19397	14
Noah	2014	19329	15
Noah	2016	19171	16
Noah	2019	19145	17
Liam	2017	18849	18
Noah	2021	18849	18
Emma	2018	18801	19
Olivia	2017	18763	20
Sophia	2014	18636	21
Noah	2022	18621	22
Olivia	2019	18549	23
Liam	2014	18478	24
Noah	2017	18473	25
Olivia	2013	18446	26
Noah	2020	18407	27
Noah	2018	18403	28
Liam	2015	18400	29
Noah	2013	18276	30
Liam	2016	18259	31
Jacob	2013	18185	32
Liam	2013	18150	33
Olivia	2018	18039	34
Olivia	2021	17798	35
Mason	2013	17721	36
Olivia	2020	17664	37

Isabella	2013	17663	38
Sophia	2015	17445	39
Mason	2014	17212	40
Emma	2019	17194	41
Isabella	2014	17125	42
Jacob	2014	16904	43
William	2014	16839	44
Mason	2015	16657	45
William	2013	16654	46
Olivia	2022	16573	47
Ava	2015	16399	48
Ava	2016	16338	49
Ethan	2013	16254	50
Sophia	2016	16171	51
Ava	2017	16005	52
Jacob	2015	15979	53
William	2015	15935	54
William	2016	15798	55
Ethan	2014	15737	56
Ava	2014	15721	57
Emma	2020	15680	58
Isabella	2015	15646	59
Michael	2013	15530	60
Emma	2021	15510	61
Michael	2014	15487	62
Alexander	2014	15437	63
Mason	2016	15282	64
Ava	2013	15265	65
Isabella	2017	15231	66
Ethan	2015	15095	67
Oliver	2022	15076	68
William	2017	15023	69
Ava	2018	15010	70
Mia	2015	14927	71
Sophia	2017	14925	72
Alexander	2013	14918	73
James	2016	14905	74
James	2015	14857	75
Isabella	2016	14846	76
Jayden	2013	14782	77
Oliver	2021	14683	78
Benjamin	2016	14673	79
William	2018	14633	80
Alexander	2015	14569	81
Isabella	2018	14548	82
Jacob	2016	14544	83

Ava	2019	14528	84
Michael	2015	14474	85
James	2014	14456	86
Mia	2016	14452	87
Emma	2022	14435	88
James	2017	14346	89
Daniel	2013	14311	90
Oliver	2020	14261	91
Michael	2016	14120	92
Logan	2017	14042	93
Sophia	2018	13991	94
Elijah	2016	13956	95
Oliver	2019	13953	96
Daniel	2014	13949	97
Elijah	2014	13865	98