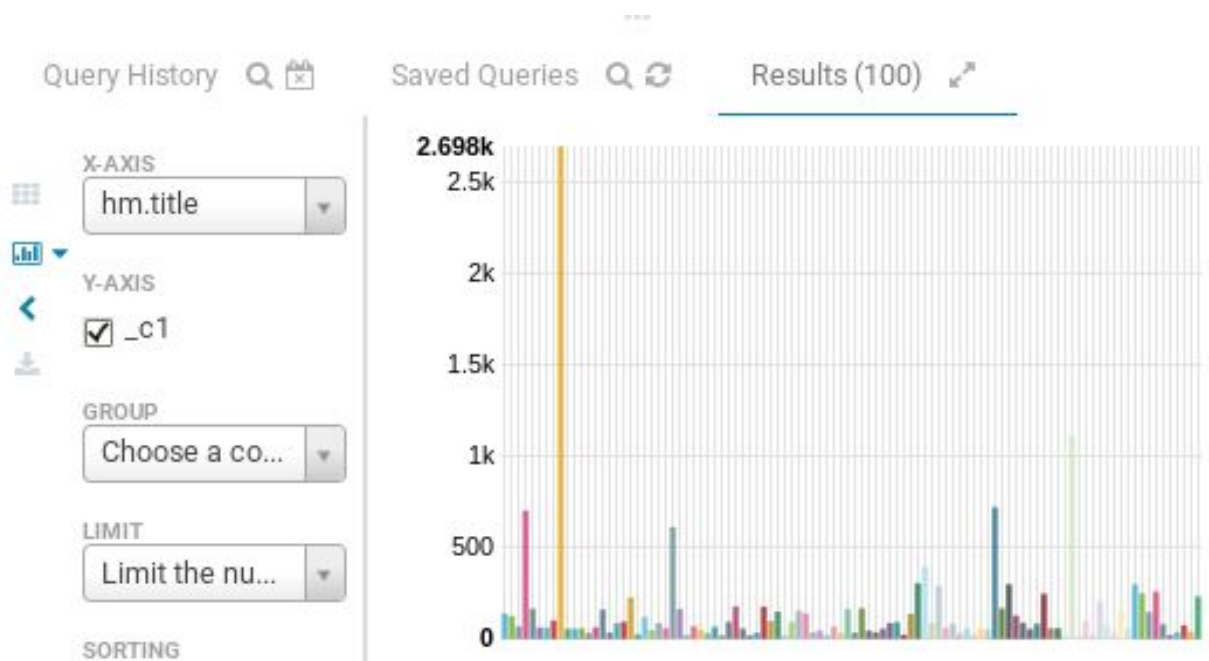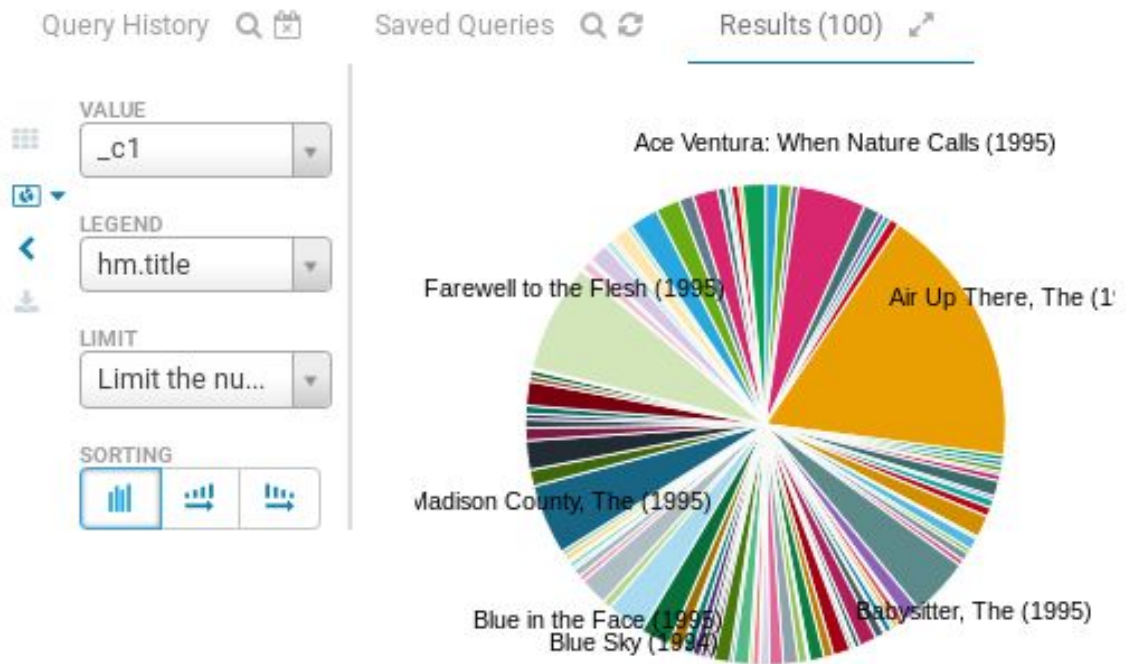**HIVE analytical queries**

1. *To list movies and number of ratings per movie:*

   select hm.title, count(rating) from movies hm join ratings hr on hm.movieid = hr.movieid group by title limit 100;

	hm.title	_c1
1	8 Seconds (1994)	141
2	Above the Rim (1994)	126
3	Ace Ventura: Pet Detective (1994)	69
4	Ace Ventura: When Nature Calls (1995)	703
5	Addams Family Values (1993)	167
6	Addiction, The (1995)	63
7	Adventures of Priscilla, Queen of the Desert, The (1994)	62
8	Age of Innocence, The (1993)	102
9	Air Up There, The (1994)	2698
10	Airheads (1994)	56
11	Aladdin (1992)	56
12	Amateur (1994)	58

VALUE

_c1 ▼

LEGEND

hm.title ▼

LIMIT

Limit the nu... ▼

SORTING

Ace Ventura: When Nature Calls (1995)

Farewell to the Flesh (1995)

Air Up There, The (1'

Madison County, The (1995)

Blue in the Face (1995)
Blue Sky (1994)

Babysitter, The (1995)

2. To list users and number of ratings they have given:

select userid, count(rating) from ratings group by userid limit 100;

userid	_c1
1	215
2	110
3	52
4	7
5	49
6	102
7	54
8	8
9	16
10	132
11	70
12	19

X-AXIS
userid

Y-AXIS
☐ userid
☑ _c1

GROUP
Choose a co...

LIMIT
Limit the nu...

SORTING

● Grouped ○ Stacked

237

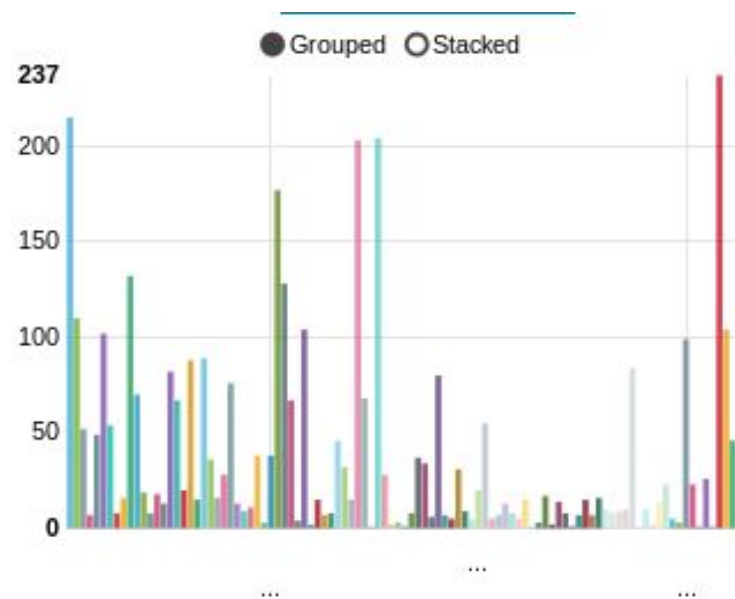Query History 🔍 📅   Saved Queries 🔍 ↻   Results (100) ↗

VALUE
_c1

LEGEND
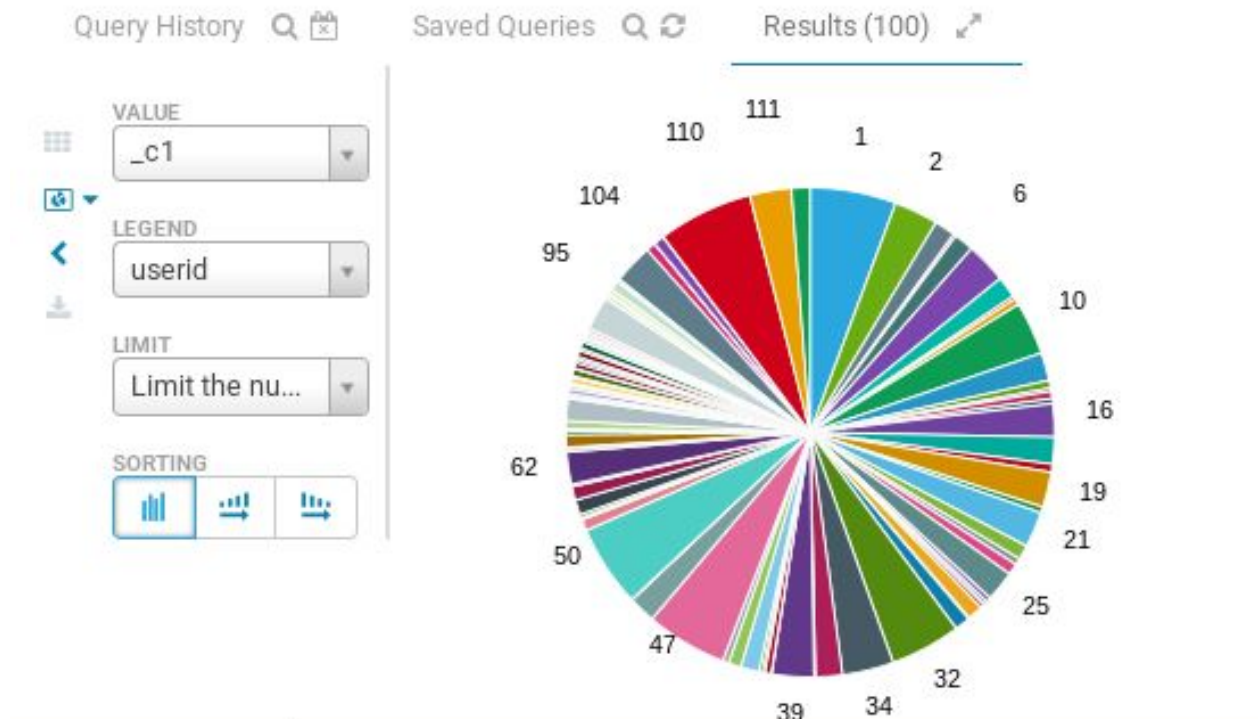userid

LIMIT
Limit the nu...

SORTING

3. Maximum, minimum and average rating given by users:

select hr.userid, max(Distinct hr.rating) as MaxRat, min(Distinct hr.rating) as MinRat, avg(Distinct hr.rating) as AvgRat from hive_hbase_rating hr group by hr.userId limit 10;

	hr.userid	maxrat	minrat	avgrat
1	1	5	0.5	2.9444444444444446
2	2	5	0.5	2.75
3	3	5	0.5	2.5555555555555554
4	4	3	1	1.875
5	5	5	0.5	2.9444444444444446
6	6	5	1	3.2857142857142856
7	7	5	1	3.1875
8	8	5	1	2.75
9	9	5	1.5	3
10	10	5	0.5	2.8888888888888888
11	11	5	1	3

X-AXIS

hr.userid

Y-AXIS

☐ hr.userid

☐ maxrat

☐ minrat

☑ avgrat

GROUP

Choose a co...

LIMIT

Limit the nu...

○ Grouped ● Stacked ● avgrat
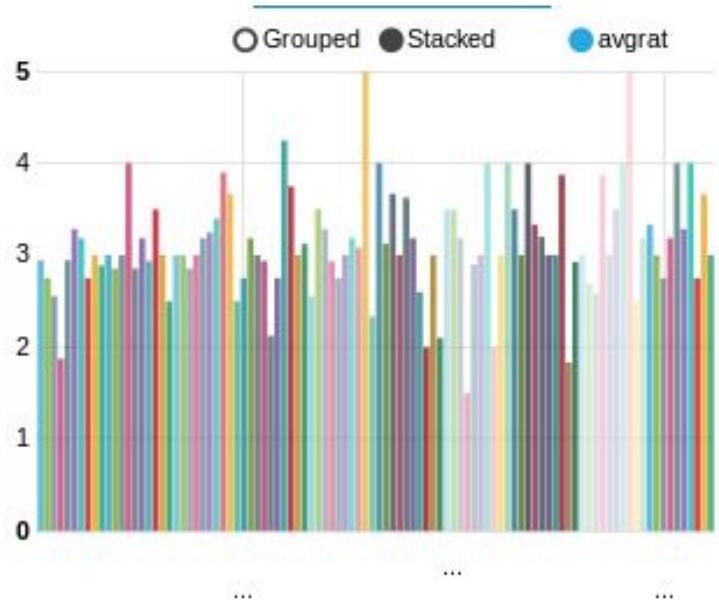
4. Movies and their maximum, minimum and average ratings:

select hm.movieid, hm.title, max(Distinct hr.rating) as MaxRat, min(Distinct hr.rating) as MinRat, avg(Distinct hr.rating) as AvgRat from movies hm join ratings hr on (hm.movieid = hr.movieid) group by hm.movieid, hm.title limit 100;

hm.movieid	hm.title	maxrat	minrat	avgrat
1	Toy Story (1995)	5	1	3
2	Jumanji (1995)	5	2	3.5
3	Grumpier Old Men (1995)	5	0.5	3.2142857142857144
4	Waiting to Exhale (1995)	5	1	3
5	Father of the Bride Part II (1995)	5	1	3
6	Heat (1995)	5	1	3
7	Sabrina (1995)	5	0.5	2.75
8	Tom and Huck (1995)	5	1	3
9	Sudden Death (1995)	5	1	3
10	GoldenEye (1995)	5	0.5	2.75
11	American President, The (1995)	5	1	3
12	Dracula: Dead and Loving It (1995)	5	3	4