

Data Visualisation with SQL

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aka Sasha

[test@localhost:5455/postgres] [test@localhost:5455/postgres] [test@localhost:5455/postgres] +

test@localhost:5455/postgres

```
1  
2 SELECT  
3     relkind,  
4     COUNT(*)  
5 FROM pg_class  
6 GROUP BY relkind
```

Time: 22.814 ms

(5 rows)

#	relkind	count
1	S	6
2	t	25
3	i	131
4	r	69
5	v	105

share

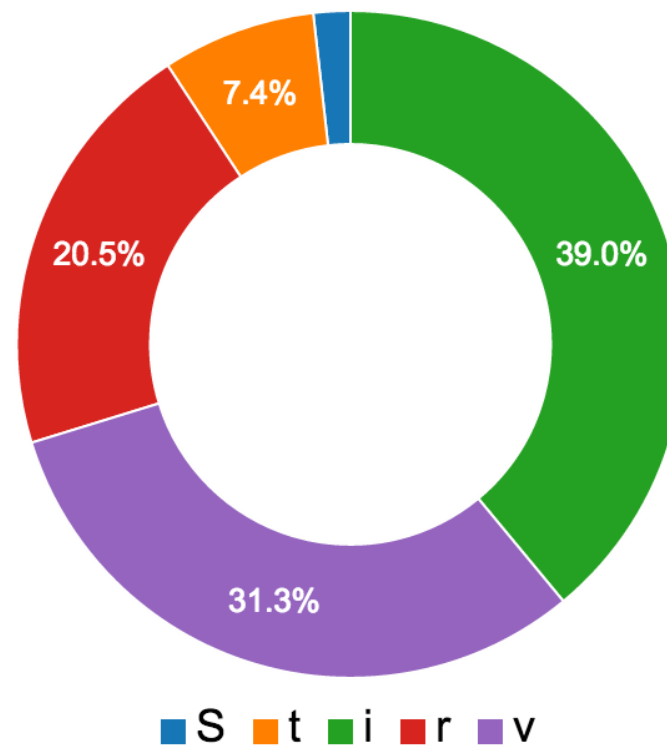
[test@localhost:5455/postgres] [test@localhost:5455/postgres] [test@localhost:5455/postgres] +

test@localhost:5455/postgres

```
1  -- chart donut
2  SELECT
3      relkind,
4      COUNT(*)
5  FROM pg_class
6  GROUP BY relkind
```

Time: 20.104 ms

share



[test@localhost:5455/postgres] [test@localhost:5455/postgres] [test@localhost:5455/postgres] +

test@localhost:5455/postgres

```
1  
2 SELECT  
3     n,  
4     sin(n),  
5     ln(n)  
6 FROM generate_series(1, 100) n
```

Time: 20.962 ms

share

(100 rows)

#	n	sin	ln
1	1	0.841470984807897	0
2	2	0.909297426825682	0.693147180559945
3	3	0.141120008059867	1.09861228866811
4	4	-0.756802495307928	1.38629436111989
5	5	-0.958924274663138	1.6094379124341
6	6	-0.279415498198926	1.79175946922805
7	7	0.656986598718789	1.94591014905531

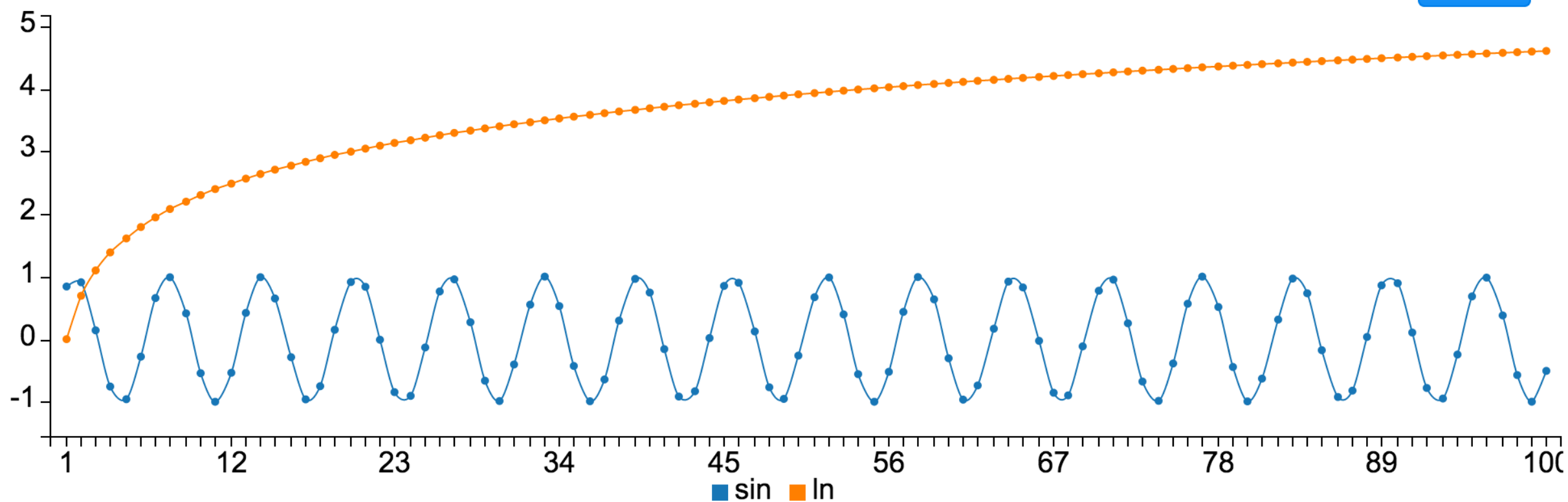
[test@localhost:5455/postgres] [test@localhost:5455/postgres] [test@localhost:5455/postgres] +

test@localhost:5455/postgres

```
1 --- chart spline x=1
2 SELECT
3     n,
4     sin(n),
5     ln(n)
6 FROM generate_series(1, 100) n
```

Time: 22.54 ms

share



[test@localhost:5455/postgres] [test@localhost:5455/postgres] [test@localhost:5455/postgres] +

test@localhost:5455/postgres

```
1
2 SELECT
3     d::date,
4     random() random_value
5 FROM generate_series(
6     now() - interval '100 days',
7     now(),
8     interval '1 day') d
```

Time: 23.475 ms

share

(101 rows)

#	d	random_value
1	2015-07-21	0.546405562665313
2	2015-07-22	0.571546058170497
3	2015-07-23	0.903934287372977
4	2015-07-24	0.0743502643890679
5	2015-07-25	0.101879619527608
6	2015-07-26	0.639733490534127

[test@localhost:5455/postgres] [test@localhost:5455/postgres] [test@localhost:5455/postgres]

test@localhost:5455/postgres

```
1 --- chart bar x=1
2 SELECT
3     d::date,
4     random() random_value
5 FROM generate_series(
6     now() - interval '100 days',
7     now(),
8     interval '1 day') d
```

Time: 22.174 ms

share

