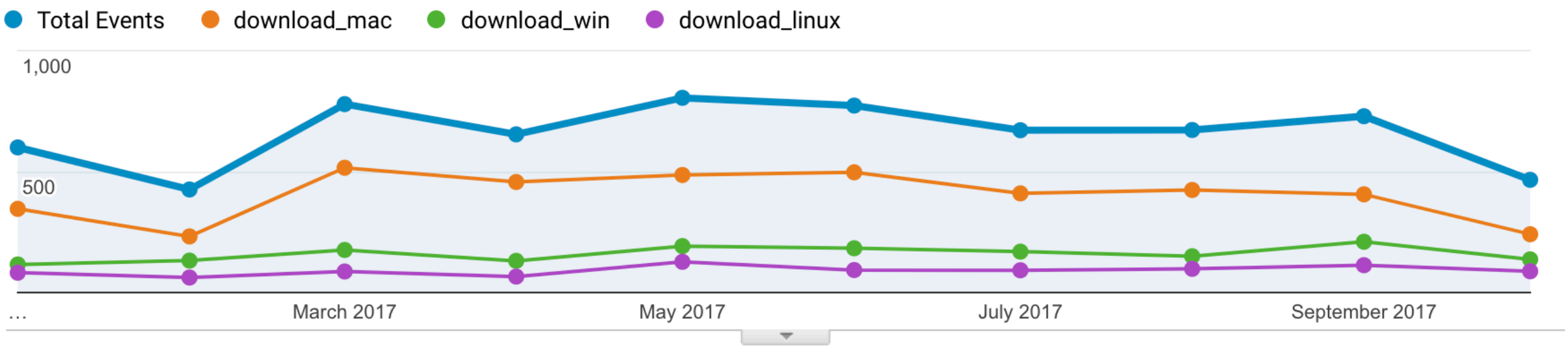
SQL Tabs

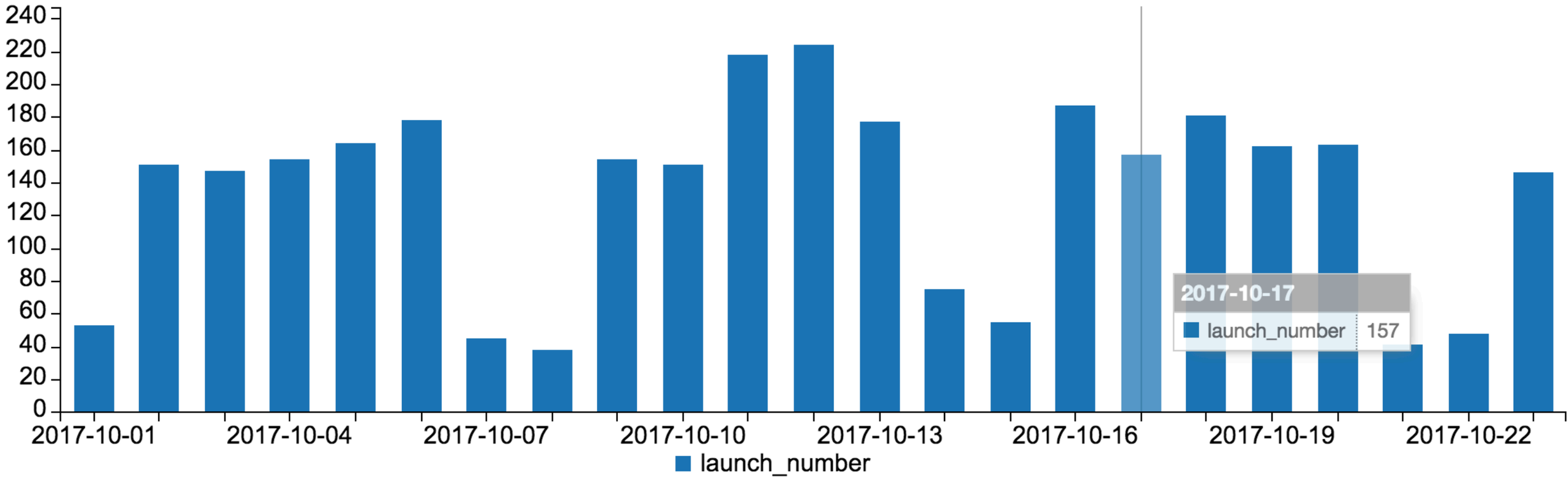
Sasha
Warsaw
2017

- What is SQL Tabs and what it isn’t
- Main concepts
- How we can collaborate
- Some thoughts about the future

~700 downloads per month



~160 launches per day



SQL Tabs

[docker dev] [docker dev] [docker dev] +

postgres://postgres:admin@localhost:5432 --- docker dev

```
1
2  DROP TABLE IF EXISTS test;
3
4  CREATE TABLE IF NOT EXISTS test (id SERIAL, val TEXT);
5
6  INSERT INTO test (val) SELECT generate_series(1, 5);
7
8  SELECT * FROM test;
```

Time: 11.9 ms

share

```
notice: table "test" does not exist, skipping
```

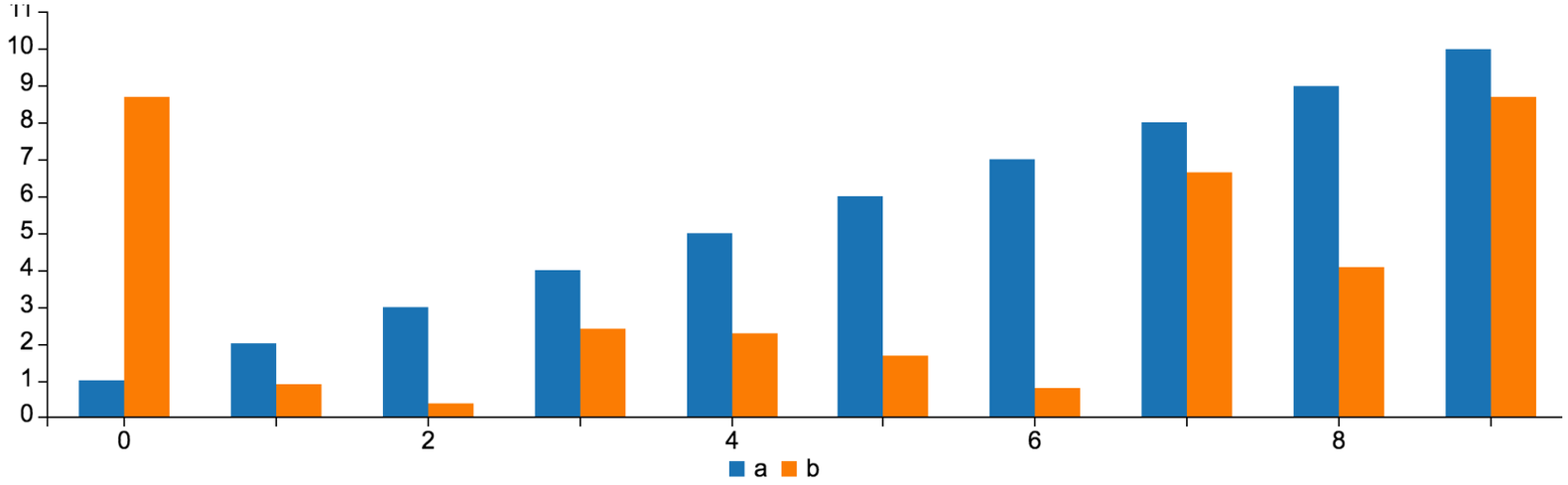
DROP TABLE

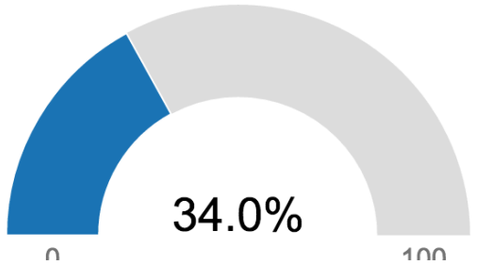
CREATE TABLE

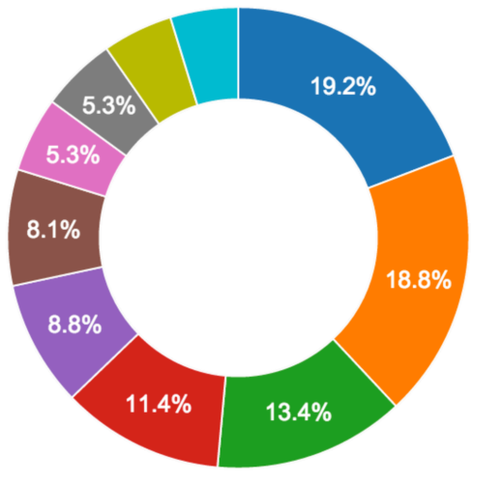
INSERT 0 5

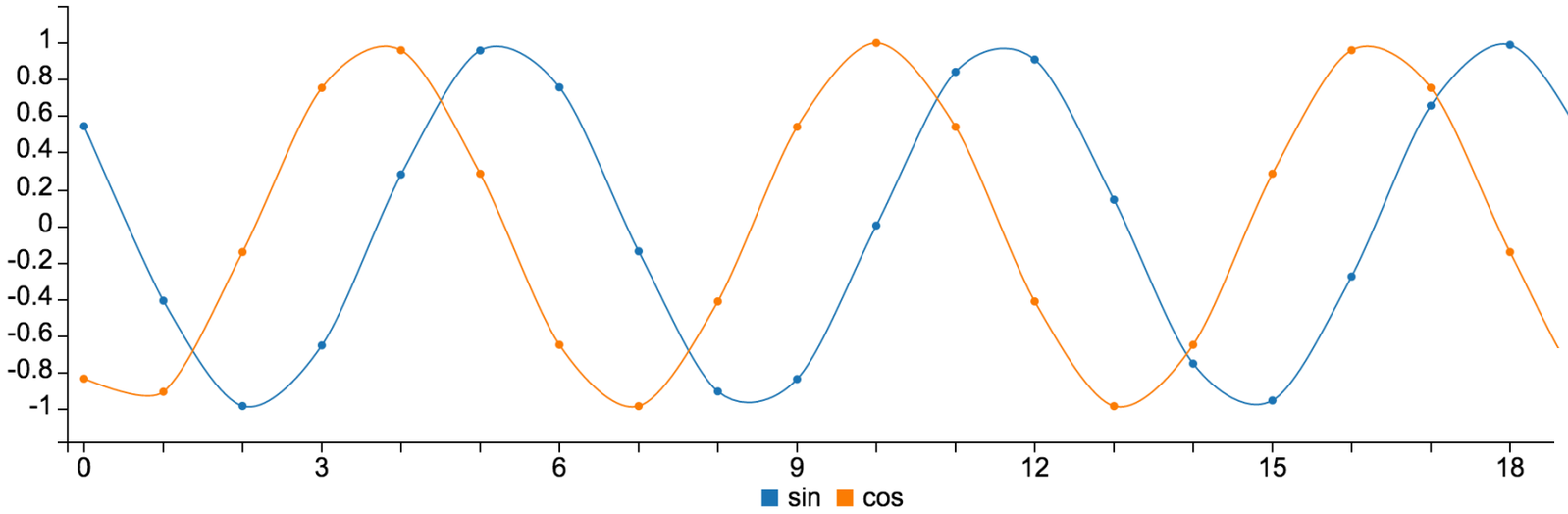
(5 rows)

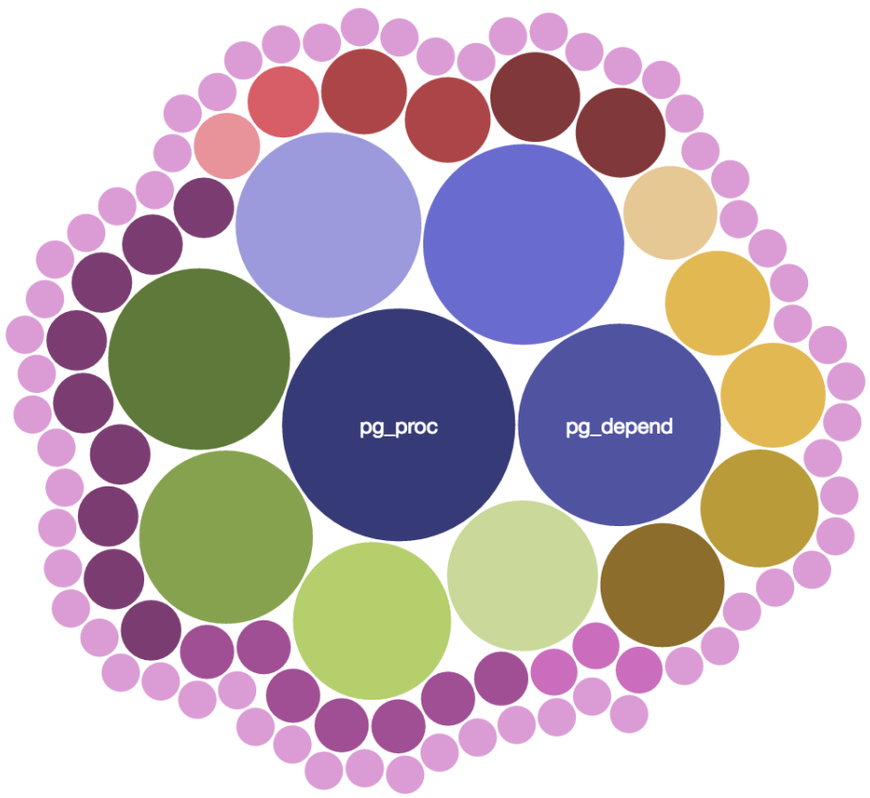
#	id	val
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

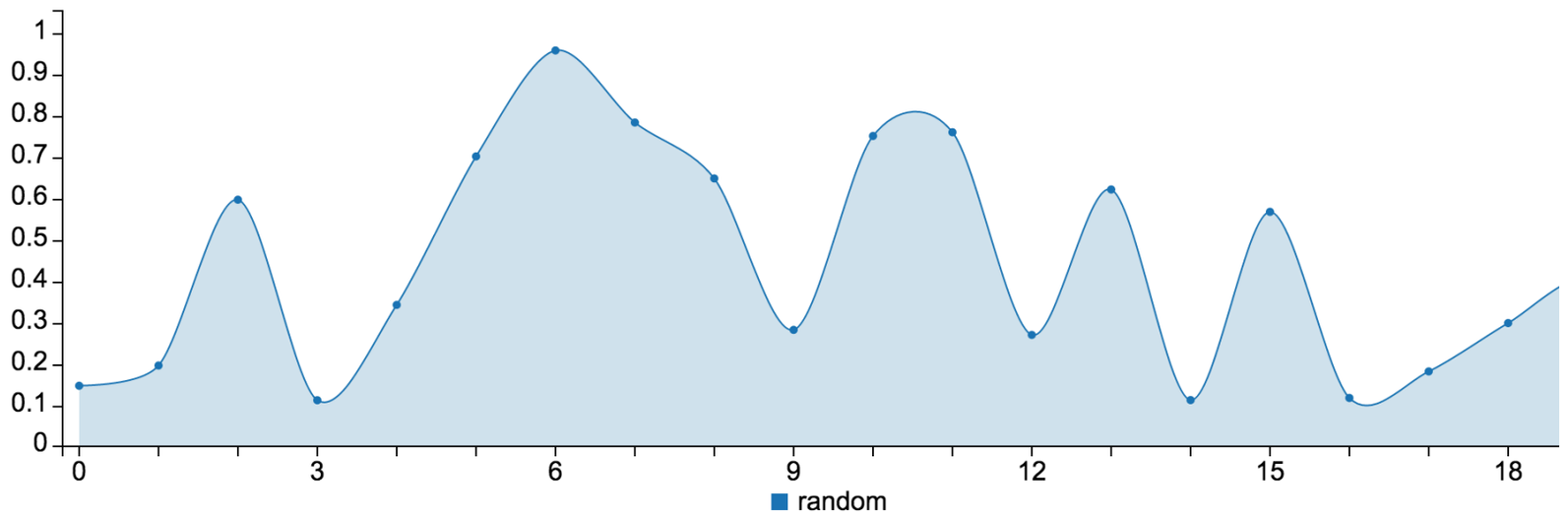

11
10
9
8
7
6
5
4
3
2
1
0
0
2
4
6
8
a
b


34.0%
0
100

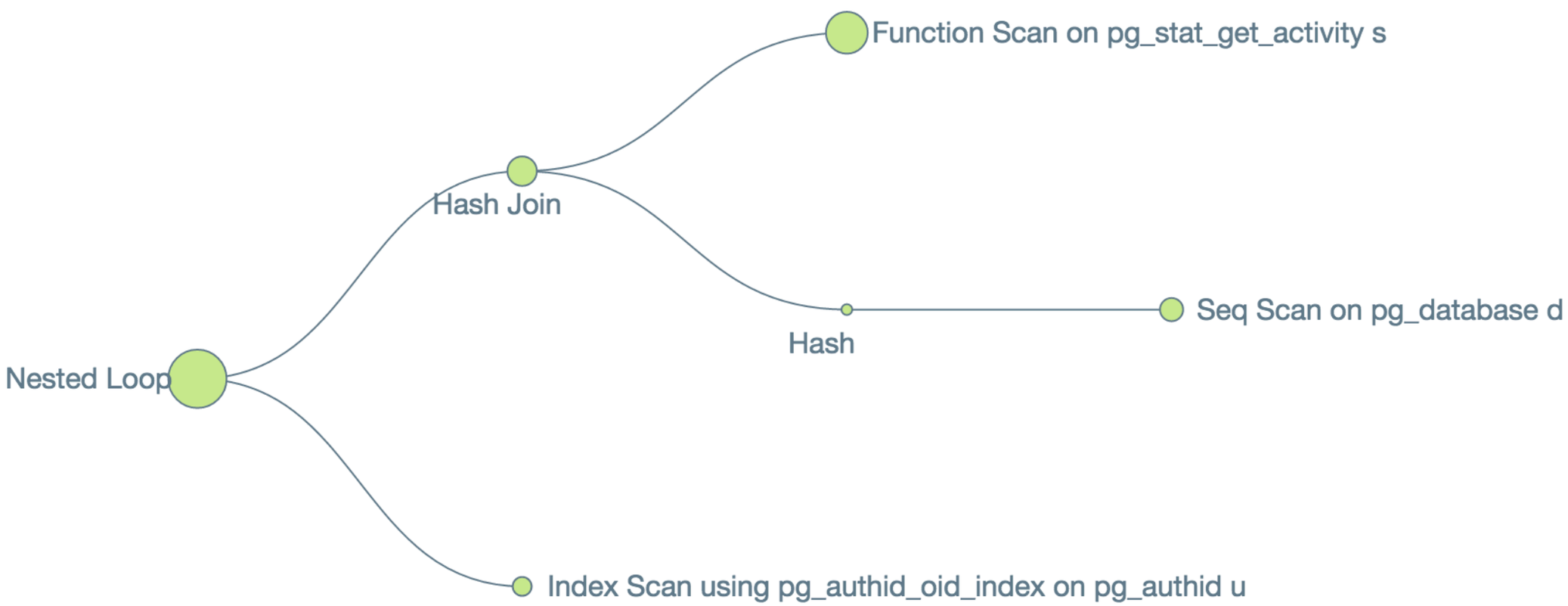

19.2%
18.8%
13.4%
11.4%
8.8%
8.1%
5.3%
5.3%


1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
3
6
9
12
15
18
sin
cos


pg_proc
pg_depend


1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
3
6
9
12
15
18
random

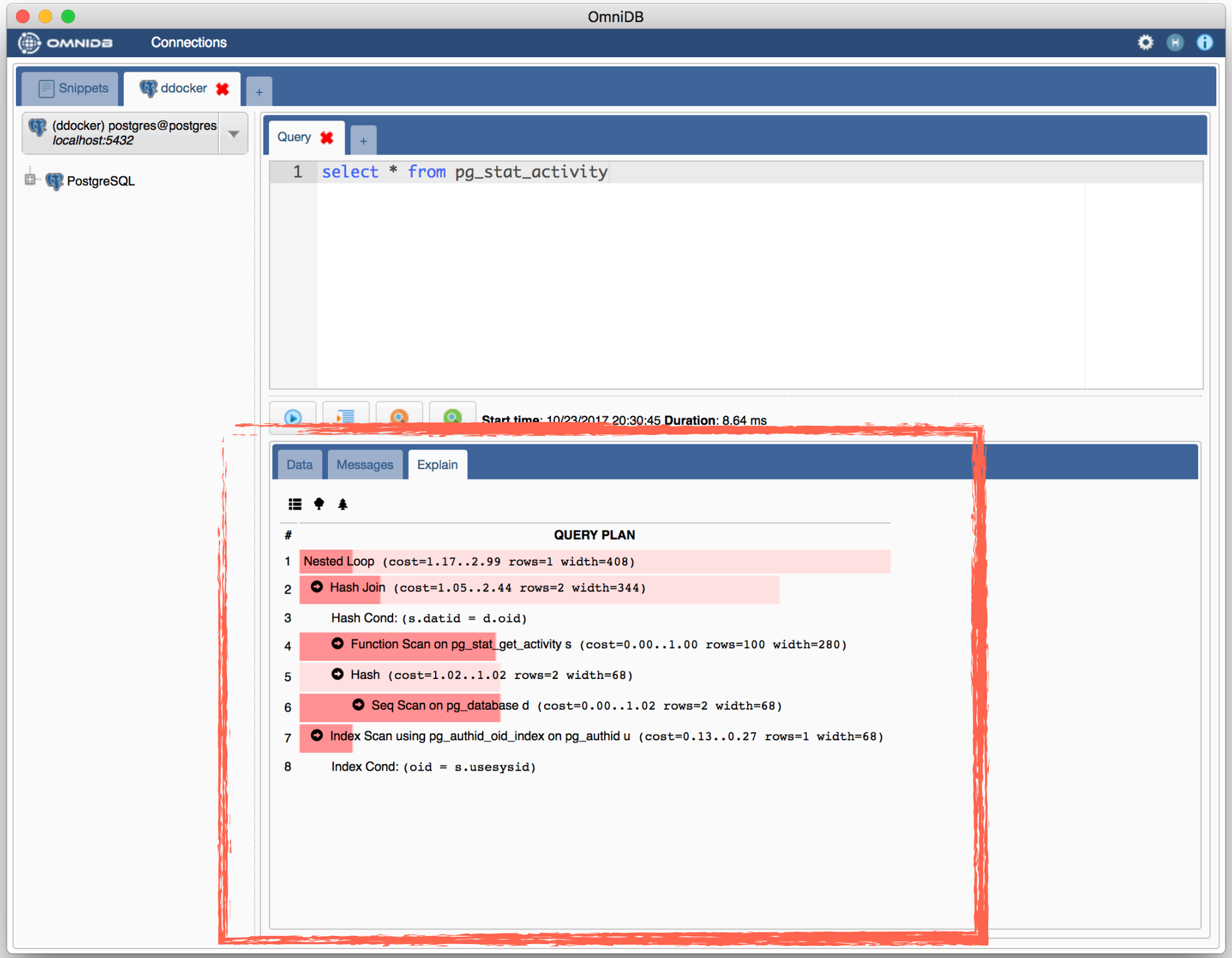
#	QUERY PLAN
1	Nested Loop (cost=1.17..2.99 rows=1 width=408) (actual time=0.290..0.600 rows=7 loops=1)
2	Hash Join (cost=1.05..2.44 rows=2 width=344) (actual time=0.268..0.343 rows=7 loops=1)
3	Hash Cond: (s.datid = d.oid)
4	Function Scan on pg_stat_get_activity s (cost=0.00..1.00 rows=100 width=280) (actual time=0.116..0.139 rows=7 loops=1)
5	Hash (cost=1.02..1.02 rows=2 width=68) (actual time=0.106..0.106 rows=3 loops=1)
6	Buckets: 1024 Batches: 1 Memory Usage: 9kB
7	Seq Scan on pg_database d (cost=0.00..1.02 rows=2 width=68) (actual time=0.009..0.077 rows=3 loops=1)
8	Index Scan using pg_authid_oid_index on pg_authid u (cost=0.13..0.27 rows=1 width=68) (actual time=0.006..0.009 rows=1 loops=7)
9	Index Cond: (oid = s.usesysid)
10	Planning time: 0.363 ms
11	Execution time: 0.781 ms



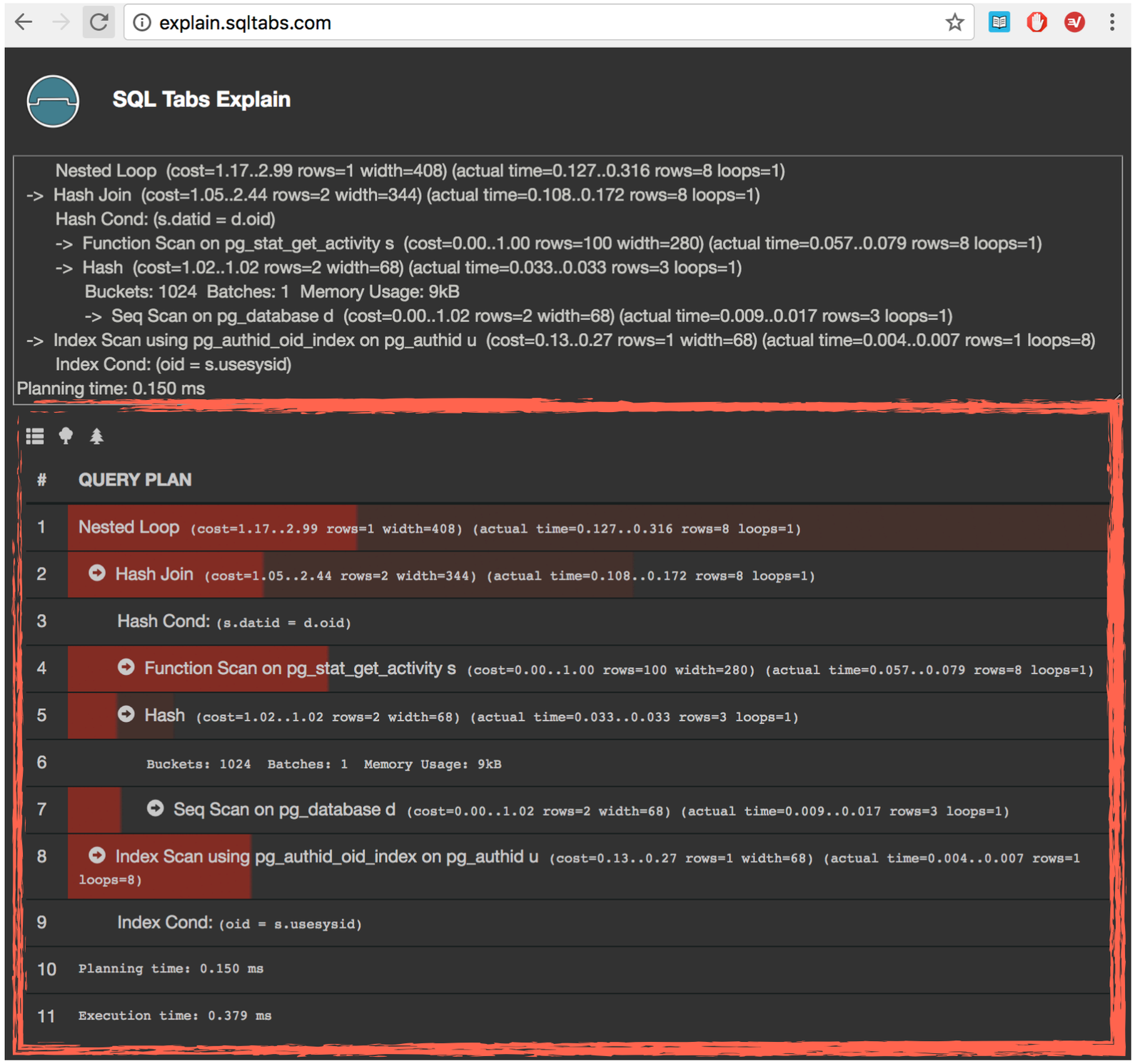
Key Principles

- PSQL is a gold standard
- Engage SQL
- Experts friendly
- Rich Output (SQL Documents)

Let’s make components



Let’s make components



Future

- Data Visualization and SQL Documents
- Secure and managable reports sharing
- Reusable UI Components
- Fat clients and Javascript