

DBBeaver 25.2.4 - <postgres> ЧерняеваEA_script.sql

Database Navigator | Projects | <postgres> Script.sql | <postgres> ЧерняеваEA_script.sql

Filter connections by name

- DBBeaver Sample Database (SQLite)
- postgres localhost:5432
 - Databases
 - postgres
 - Schemas
 - public
 - Tables
 - customer 752K
 - order_items 1.6M
 - orders 1.5M
 - product 48K
 - product_cor 24K
 - Foreign Tables
 - Views
 - Materialized Views
 - Indexes
 - Functions
 - Sequences
 - Data types
- Files - General
- Bookmarks
- Dashboards
- Diagrams
- Scripts

Name DataSource

where rn = 1

-- 1. Вывести все уникальные бренды, у которых есть хотя бы один продукт со стандартной стоим

```
select distinct brand
from product_cor
where standard_cost > 1500
and brand in (
  select brand
  from product_cor
  join order_items on product_cor.product_id = order_items.product_id
  group by brand
  having sum(order_items.quantity) >= 1000
);
```

-- 2. Для каждого дня в диапазоне с 2017-04-01 по 2017-04-09 включительно вывести количество

product_cor 1

select distinct brand from prod

Grid

	AZ brand
1	Giant Bicycles
2	OHM Cycles
3	Solex
4	Trek Bicycles

Text

Record

Value

Giant Bicycles

Refresh Save Cancel Export data 200 4

4 row(s) fetched - 0.0s (0.0s fetch), on 2025-11-23 at 20:23:22

Tables - Tables MSK en

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SQL Editor

2. Для каждого дня в диапазоне с 2017-04-01 по 2017-04-09 включительно вывести количество

```
select
  order_date,
  count(*) as order_count,
  count(distinct customer_id) as unique_customers
from orders
where order_date between '2017-04-01' and '2017-04-09'
  and online_order = true
  and order_status = 'Approved'
group by order_date
order by order_date;
```

3. Вывести профессии клиентов: из сферы IT, чья профессия начинается с Senior; из сферы Fin

orders 1 X

select order_date, count(*) as

	order_date	123 order_count	123 unique_customers
1	2017-04-01	37	37
2	2017-04-02	29	29
3	2017-04-03	27	27
4	2017-04-04	32	32
5	2017-04-05	33	32
6	2017-04-06	36	36
7	2017-04-07	24	24
8	2017-04-08	33	33
9	2017-04-09	30	30

Value X

2017-04-01

Refresh | Save | Cancel | Export data | 200 | 9

9 row(s) fetched - 0.0s, on 2025-11-23 at 20:24:17

MSK en Writable Smart Insert

DBEaver 25.2.4 - <postgres> ЧерняеваEA_script.sql

Database Navigator: Filter connections by name. Databases: postgres (localhost:5432). Schemas: public. Tables: customer (752K), order_items (1.6M), orders (1.5M), product (48K), product_cor (24K).

Script Editor: <postgres> ЧерняеваEA_script.sql

```
-- 3. Вывести профессии клиентов: из сферы IT, чья профессия начинается с Senior; из сферы Fin
select job_title
from customer
where job_industry_category = 'IT'
and job_title like 'Senior%'
and extract(year from age(current_date, DOB)) > 35
union all
select job_title
from customer
where job_industry_category = 'Financial Services'
and job_title like 'Lead%'
and extract(year from age(current_date, DOB)) > 35;

-- 4. Вывести бренды, которые были куплены клиентами из сферы Financial Services, но не были к
select distinct product_cor.brand
```

Results 1 X

Grid: select job_title from customer. Enter a SQL expression to filter results (use Ctrl+Space).

	AZ job_title
1	Senior Sales Associate
2	Senior Developer

Value X: Senior Sales Associate

Refresh Save Cancel Export data 200 2

2 row(s) fetched - 0.0s, on 2025-11-23 at 20:25:23

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SQL Editor: 4. Вывести бренды, которые были куплены клиентами из сферы Financial Services, но не были к

```
select distinct product_cor.brand
from product_cor
join order_items on product_cor.product_id = order_items.product_id
join orders on order_items.order_id = orders.order_id
join customer on orders.customer_id = customer.customer_id
where customer.job_industry_category = 'Financial Services'
except
select distinct product_cor.brand
from product_cor
join order_items on product_cor.product_id = order_items.product_id
join orders on order_items.order_id = orders.order_id
join customer on orders.customer_id = customer.customer_id
where customer.job_industry_category = 'IT';
```

5. Вывести 10 клиентов (ID, имя, фамилия), которые совершили наибольшее количество онлайн-з

Results 1 x

select distinct product_cor.br

Grid | Text | Record

Value x | Text

Refresh | Save | Cancel | Export data | 200 | 0

No data- 0.0s, on 2025-11-23 at 20:25:43

MSK en Writable Smart Insert

DBEaver 25.2.4 - <postgres> ЧерняеваEA_script.sql

Database Navigator x Projects

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Files - General x

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Name DataSource

<postgres> Script.sql <postgres> ЧерняеваEA_script.sql x

5. Вывести 10 клиентов (ID, имя, фамилия), которые совершили наибольшее количество онлайн-заказов

```
select
    customer.customer_id,
    customer.first_name,
    customer.last_name,
    count(distinct orders.order_id) as order_count
from customer
join orders on customer.customer_id = orders.customer_id
join order_items on orders.order_id = order_items.order_id
join product_cor on order_items.product_id = product_cor.product_id
where product_cor.brand in ('Giant Bicycles', 'Norco Bicycles', 'Trek Bicycles')
and orders.online_order = true
and customer.deceased indicator = 'N'
```

customer 1 x

select customer.customer_id, first_name, last_name, order_count

	customer_id	first_name	last_name	order_count
1	787	Norma	Batrim	6
2	2,595	Land	Bangley	5
3	1	Laraine	Medendorp	5
4	1,117	Georgena	Guilaem	5
5	2,498	Rosana	Emmatt	5
6	353	Antonia	Cardis	5
7	2,072	Margie	Tillyer	5
8	273	Nevile	Abraham	5
9	1,033	Jacob	Claringbold	5
10	2,637	Marcile	Christley	5

Refresh Save Cancel Export data 200 10

10 row(s) fetched - 2.1s, on 2025-11-23 at 20:26:00

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<postgres> Script.sql <postgres> ЧерняеваEA_script.sql x

— 6. Вывести всех клиентов (ID, имя, фамилия), у которых нет подтвержденных онлайн-заказов за

```
select
  customer_id,
  first_name,
  last_name
from customer
where owns_car = 'Yes'
and wealth_segment != 'Mass Customer'
and customer_id not in (
  select customer_id
  from orders
  where online_order = true
  and order_status = 'Approved'
```

customer 1 x

select customer_id, first_name, last_name Enter a SQL expression to filter results (use Ctrl+Space)

	customer_id	first_name	last_name
1	5	Sheila-kathryn	Calton
2	6	Curr	Duckhouse
3	7	Fina	Merali
4	9	Mala	Lind
5	13	Gabriele	Norcross
6	17	Heath	Faraday
7	21	Mile	Cammocke
8	23	Olav	Polak
9	28	Fee	Zellmer
10	30	Darrick	Helleckas
11	31	Star	Praton

Refresh Save Cancel Export data 200 400+

400 row(s) fetched - 0.0s (0.0s fetch), on 2025-11-23 at 20:26:39

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Files - General x

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<postgres> Script.sql <postgres> ЧерняеваЕА_script.sql x

7. Вывести всех клиентов из сферы 'IT' (ID, имя, фамилия), которые купили 2 из 5 продуктов

```
select
    customer.customer_id,
    customer.first_name,
    customer.last_name
from customer
join orders on customer.customer_id = orders.customer_id
join order_items on orders.order_id = order_items.order_id
join product_cor on order_items.product_id = product_cor.product_id
where customer.job_industry_category = 'IT'
    and product_cor.product_line = 'Road'
    and product_cor.product_id in (
        select product_id
        from product_cor
        where product_line = 'Road'
        order by list_price desc
        limit 5
    )
group by customer.customer_id, customer.first_name, customer.last_name
having count(distinct product_cor.product_id) >= 2;
```

customer 1 x

select customer.customer_id, ...

	customer_id	first_name	last_name
1	604	Mella	Petrovsky
2	983	Shaylyn	Riggs
3	1,683	Brenn	Bacon
4	2,469	Kermie	Hedger
5	3,406	Lucy	Lackmann

Refresh Save Cancel Export data 200 5

5 row(s) fetched - 0.0s, on 2025-11-23 at 20:26:54

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Files - General x

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Script Editor: <postgres> ЧерняеваEA_script.sql

8. Вывести клиентов (ID, имя, фамилия, сфера деятельности) из сфер IT или Health, которые с

```
select
    customer.customer_id,
    customer.first_name,
    customer.last_name,
    customer.job_industry_category
from customer
join orders on customer.customer_id = orders.customer_id
join order_items on orders.order_id = order_items.order_id
where customer.job_industry_category = 'IT'
    and orders.order_status = 'Approved'
    and orders.order_date between '2017-01-01' and '2017-03-01'
group by customer.customer_id, customer.first_name, customer.last_name, customer.job_industry_category
having count(distinct orders.order_id) >= 3
    and sum(order_items.quantity * order_items.item_list_price_at_sale) > 10000
UNION
select
    customer.customer_id,
    customer.first_name,
    customer.last_name,
    customer.job_industry_category
```

Results 1 x

select customer.customer_id, Enter a SQL expression to filter results (use Ctrl+Space)

	customer_id	first_name	last_name	job_industry_category
1	64	Gerek	Yve	IT
2	167	Nathalie	Tideswell	Health
3	173	Ebba	Hanselmann	Health
4	250	Kristofer		Health
5	255	Keeley	Kruger	IT
6	394	Roanne	Cowthard	Health

Refresh Save Cancel Export data 200 38

38 row(s) fetched - 0.0s (0.0s fetch), on 2025-11-23 at 20:27:30

MSK en Writable Smart Insert