

DBeaver 25.2.4 - <postgres> ЧерняеваEA_script.sql

Auto Commit Rollback postgres public@postgres

Database Navigator Projects

Filter connections by name

DBeaver 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

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MSK en

Script.sql

ЧерняеваEA_script.sql

```
where rn = 1

-- 1. Вывести все уникальные бренды, у которых есть хотя бы один продукт со стандартной стоимостью выше 1500
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 продаж
select
    product_cor 1
    select distinct brand from product_cor
    Enter a SQL expression to filter results (use Ctrl+Space)
    Grid A-Z brand
    Value X
    Text
    Record
    Giant Bicycles
    OHM Cycles
    Solex
    Trek 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
```

Grid A-Z brand

Value X

Text

Record

Giant Bicycles

OHM Cycles

Solex

Trek 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

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Script.sql ЧерняеваEA_script.sql

```
-- 2. Для каждого дня в диапазоне с 2017-04-01 по 2017-04-09 включительно вывести количество
-- и уникальных клиентов, совершивших заказы в этот день
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

```
select order_date, count(*) as
```

order_date	order_count	unique_customers
2017-04-01	37	37
2017-04-02	29	29
2017-04-03	27	27
2017-04-04	32	32
2017-04-05	33	32
2017-04-06	36	36
2017-04-07	24	24
2017-04-08	33	33
2017-04-09	30	30

Value 2017-04-01

Refresh Save Cancel Export data 200 9

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

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— 3. Вывести профессии клиентов: из сферы IT, чья профессия начинается с Senior; из сферы Financial Services, чья профессия начинается с Lead

```
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 куплены клиентами из сферы IT

```
select distinct product.cor.brand
```

Results 1

select job_title from customer

Grid	AZ job_title	Value X
1	Senior Sales Associate	Senior Sales Associate
2	Senior Developer	

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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— 4. Вывести бренды, которые были куплены клиентами из сферы Financial Services, но не были куплены клиентами из сферы IT.

```
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-заказов.

Results 1

select distinct product_cor.brand

Grid AZ brand

Text

Record

Refresh Save Cancel Export data 200 0

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

MSK en Writable Smart Insert

Panels

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

```
— 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

	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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— 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

select customer_id, first_name

	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	Derrick	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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<postgres> Script.sql <postgres> ЧерняеваEA_script.sql

```
-- 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

select customer.customer_id, first_name, last_name

	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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```
— 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_
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
2	167	Nathalie	Tideswell
3	173	Ebba	Hanselmann
4	250	Kristofer	Health
5	255	Keeley	Kruger
6	394	Roanne	Cowthard

Refresh Save Cancel Export data 200 38

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

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