ОПИСАНИЕ:

1. Я подключился к VK API и написал ETL, выложенный в github(https://github.com/Nick2201/vk\_analyst)

* есть возможность выбрать любое сообщество или человека, для сбора необходимой информации со стены

2. Представлен вариант с пабликом (https://vk.com/science\_technology)

#1: время суток публикации:

```

WITH interval\_data AS (

SELECT

EXTRACT(HOUR FROM date) AS t\_pub\_hour,

likes,views

FROM

wall\_social\_media

WHERE

likes IS NOT NULL

AND

views IS NOT NULL

AND DATE\_PART('year', date) IN (2023,2022,2021)

)

SELECT

t\_pub\_hour,

ROUND(AVG(likes)) AS avg\_likes,

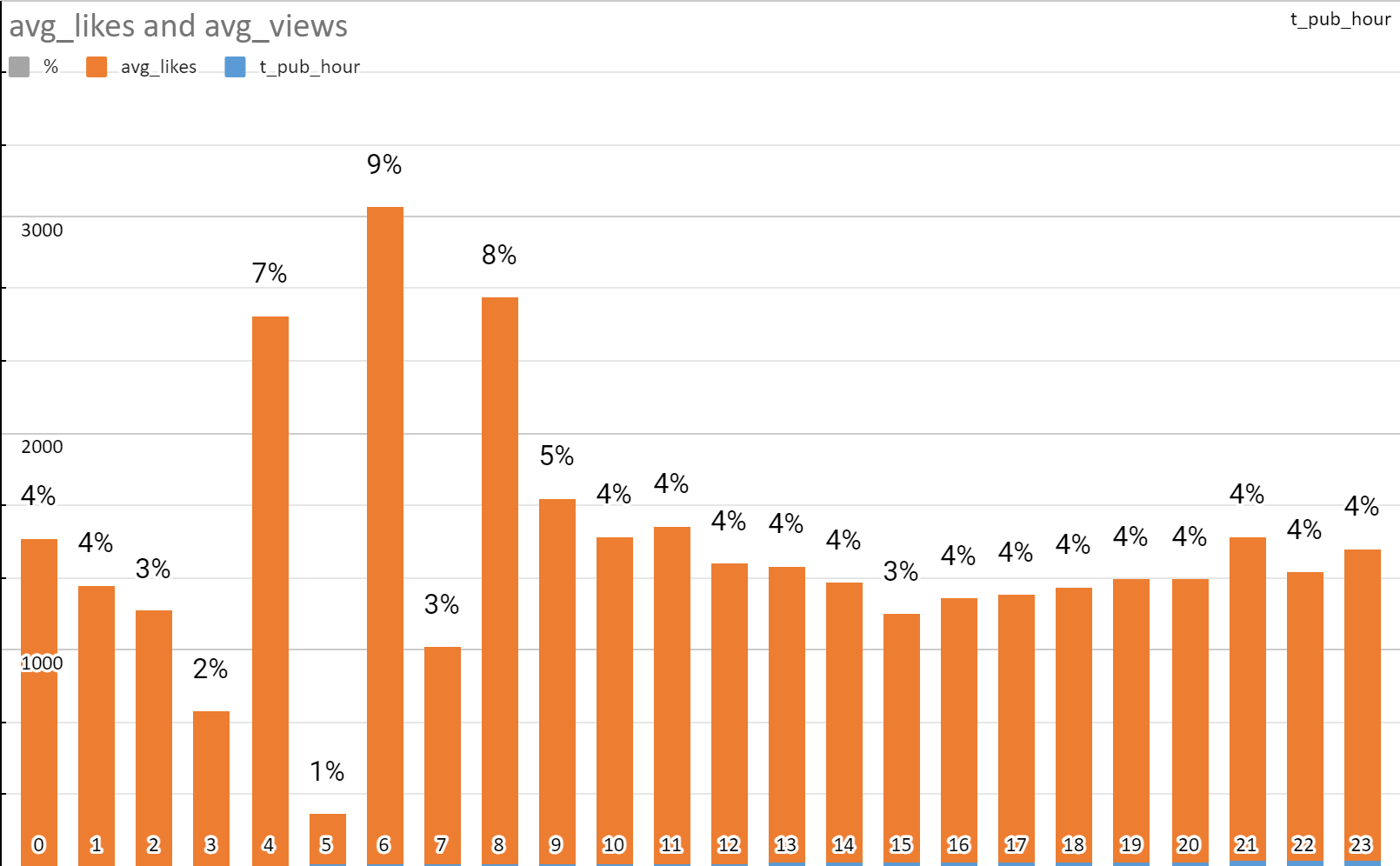
ROUND(AVG(views)) AS avg\_views

FROM interval\_data

GROUP BY t\_pub\_hour

ORDER BY avg\_likes

```



#2: день недели

```

SELECT

avg(likes),

EXTRACT(ISODOW FROM wall\_social\_media.date) as day\_of\_week

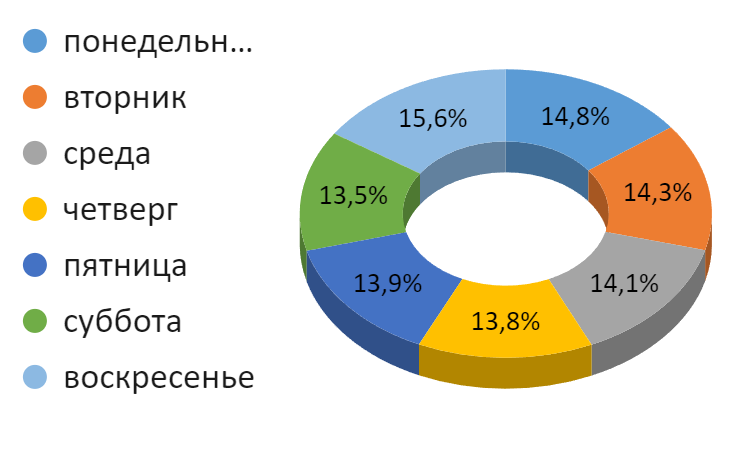
FROM wall\_social\_media

WHERE DATE\_PART('year', date) IN (2023,2022,2021)

GROUP BY EXTRACT(ISODOW FROM wall\_social\_media.date)

ORDER BY day\_of\_week;

```



#3 промежуток между постами:

```

WITH interval\_data AS (

SELECT

likes,views,

EXTRACT(HOUR FROM (LEAD(date) OVER (ORDER BY date) - date)) AS interval\_between\_posts\_hours

FROM

wall\_social\_media

WHERE

likes IS NOT NULL

AND

views IS NOT NULL

AND DATE\_PART('year', date) IN (2023,2022,2021)

)

SELECT

interval\_between\_posts\_hours,

ROUND(AVG(likes)) AS avg\_likes,

ROUND(AVG(views)) AS avg\_views

FROM

interval\_data

GROUP BY

interval\_between\_posts\_hours

ORDER BY

avg\_likes

```

