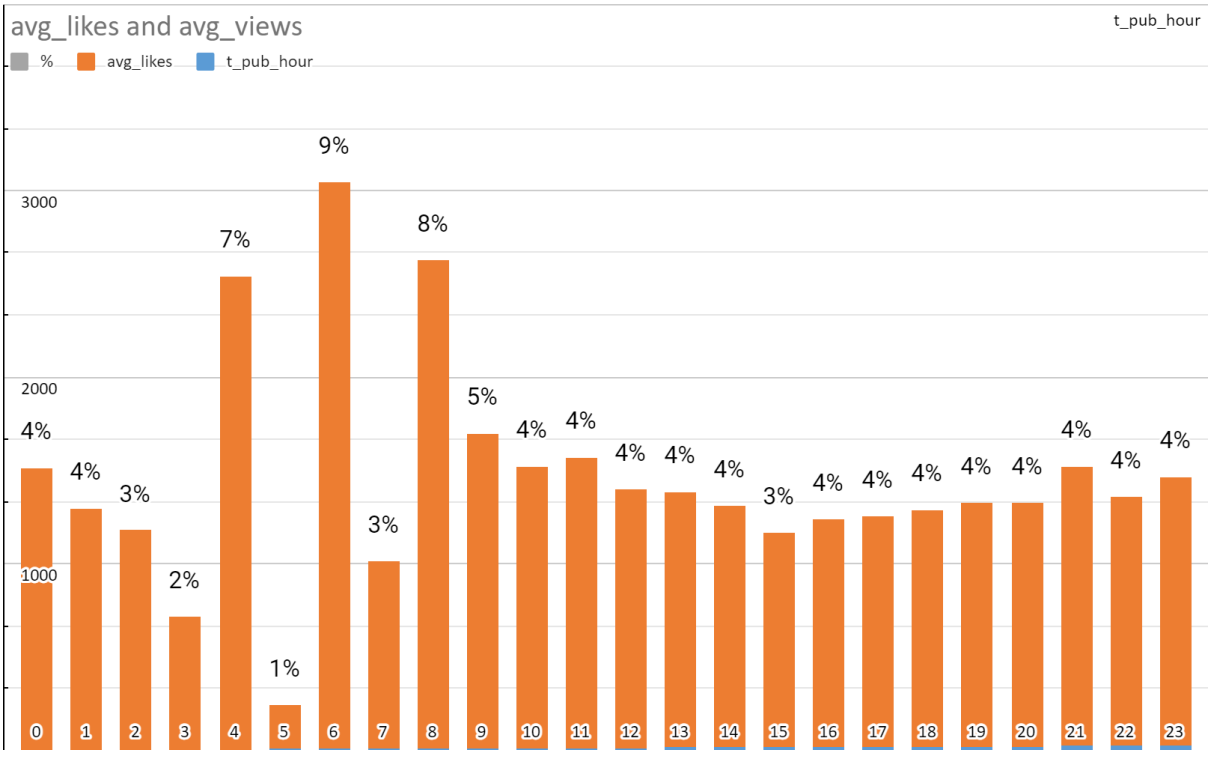
ОПИСАНИЕ:

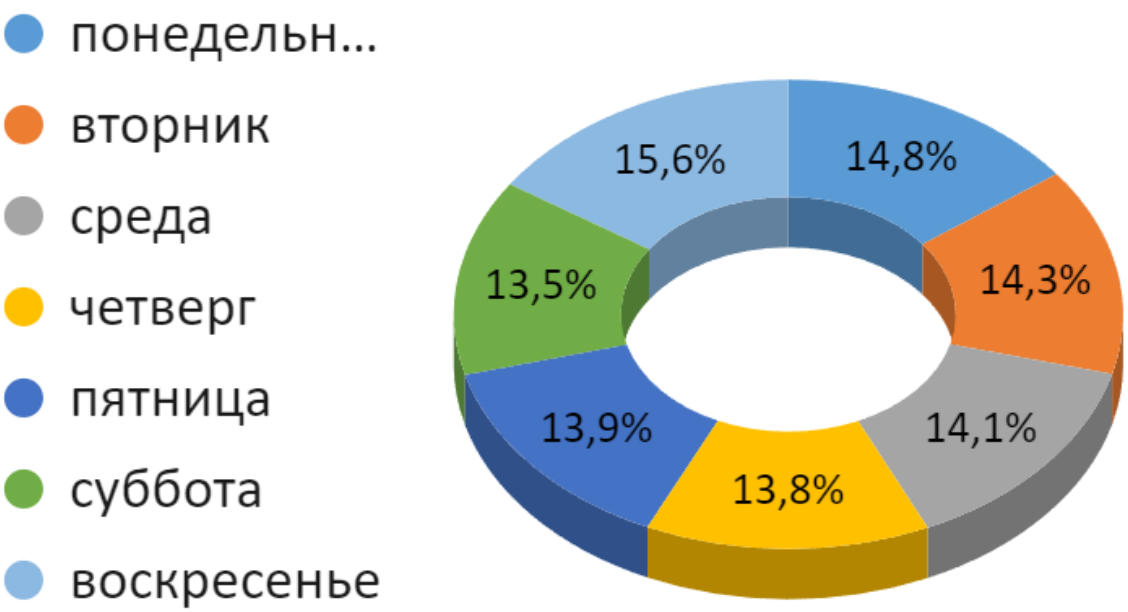
1. Я подключился к VK API и написал ETL, выложенный в github(https://github.com/Nick2201/vk_analyst)
   - есть возможность выбрать любое сообщество или человека, для сбора необходимой информации со стены
2. Представлен вариант с пабликом (https://vk.com/science_technology)

#1: время суток публикации:

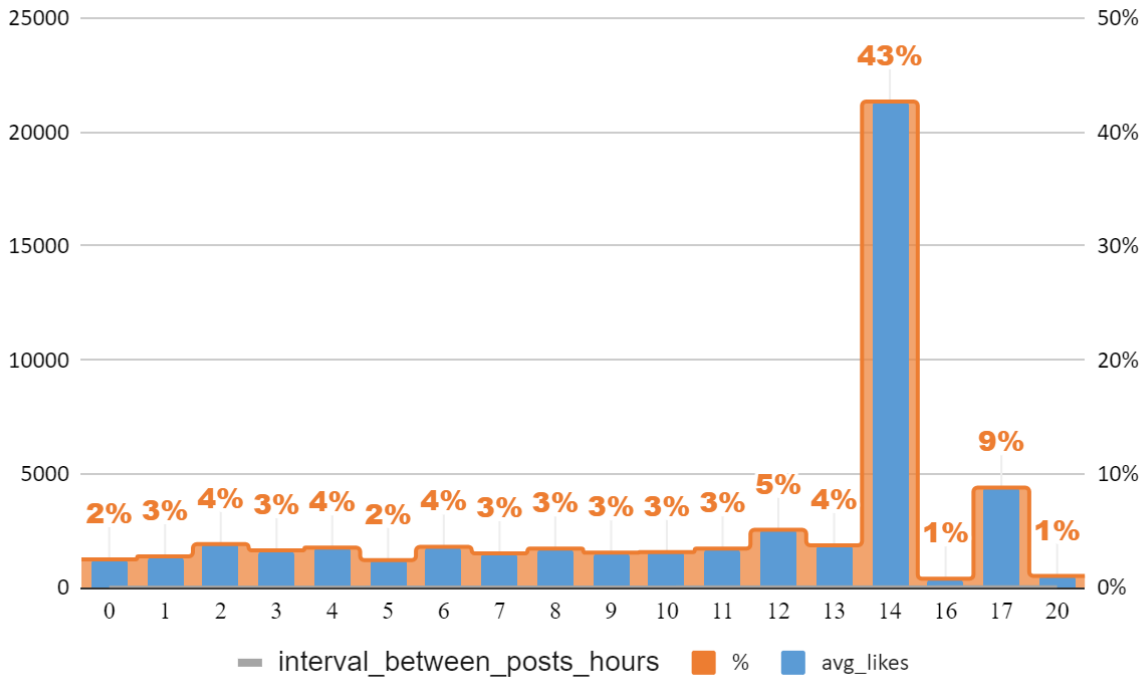
```
WITH interval_data AS (
  SELECT
        EXTRACT(HOUR FROM date) AS t_pub_hour,
    likes,views

  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
```



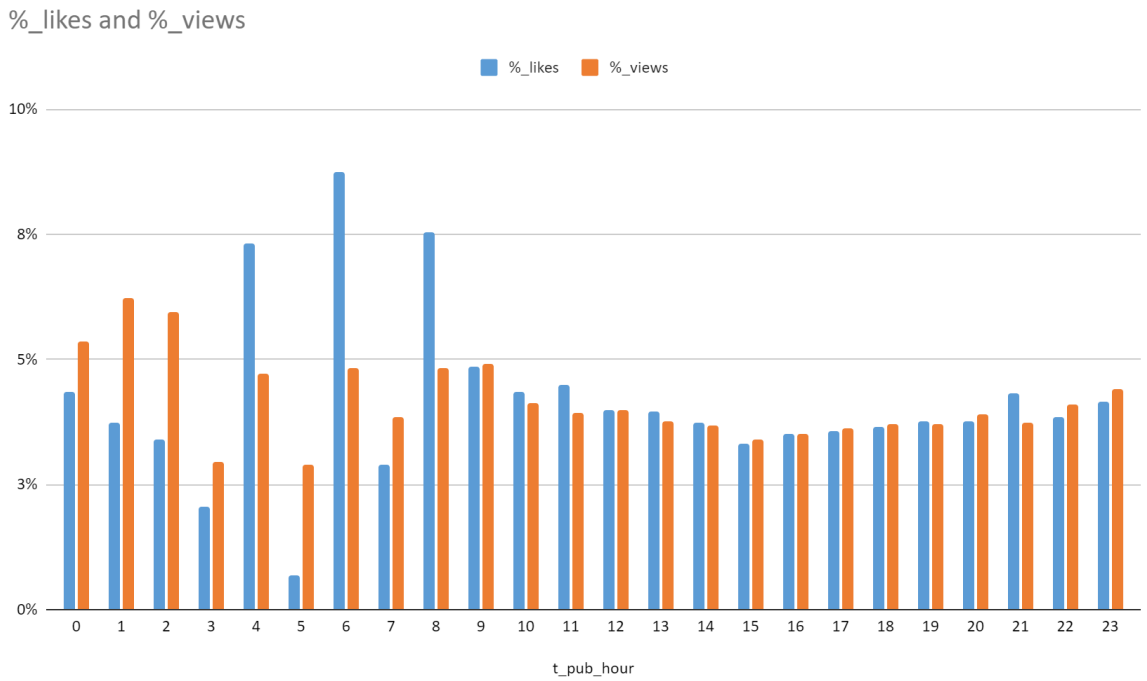
#2: день неделиА
```
SELECT
	avg(likes),
	EXTRACT(ISODOW FROM wall_social_media.date) as day_of_week

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
```



#2
##2.1
ср.кол-во лайков и ср.просмотров с разбивкой по часам



##2.2
ср.кол-во лайков и ср.просмотров с разбивкой по промежутками между постами