None

In [1]:
```python
# импорт библиотек
import pandas as pd
import numpy as np
from sqlalchemy import create_engine
```

In [2]:
```python
# выгрузка данных

path_to_db_platform = '8888b'
path_to_db_global = "https://getfile.dokpub.com888888"

try:
    engine = create_engine(f'sqlite:///{path_to_db_platform}', echo = False)
except:
    engine = create_engine(f'sqlite:///{path_to_db_global}', echo = False)
query = """
            SELECT CAST(user_id AS VARCHAR(16))AS user_id,
                    lt_day,
                    IIF(lt_day<365, 'Новый', 'Старый') AS is_new,
                    CAST(age AS INT) AS age,
                    IIF(gender_segment=1,'Женский',IIF(gender_segment IS NULL,NULL,'N
                    os_name,
                    cpe_type_name,
                    country,
                    city,
                    SUBSTR(age_segment.title,3,LENGTH(age_segment.title)+1) AS age_se
                    SUBSTR(traffic_segment.title,3,LENGTH(traffic_segment.title)+1)AS
                    SUBSTR(lifetime_segment.title,3,LENGTH(lifetime_segment.title)+1)
                    nps_score,
                    CASE WHEN nps_score <= 6 THEN 'Критики'
                        WHEN nps_score > 6 AND nps_score <=8 THEN 'Нейтралы'
                        WHEN nps_score > 8 AND nps_score <= 10 THEN 'Сторонники'
                        END AS nps_group
                FROM user
                    LEFT JOIN location USING(location_id)
                    LEFT JOIN age_segment USING(age_gr_id)
                    LEFT JOIN traffic_segment USING(tr_gr_id)
                    LEFT JOIN lifetime_segment USING(lt_gr_id);

            """


data = pd.read_sql(query, engine)
```

In [3]:
```python
# ПРОВЕРКА
data.head(10)
```

Out[3]:

	user_id	lt_day	is_new	age	gender_segment	os_name	cpe_type_name	country	
0	A001A2	2320	Старый	45.0	Женский	ANDROID	SMARTPHONE	Россия	
1	A001WF	2344	Старый	53.0	Мужской	ANDROID	SMARTPHONE	Россия	К
2	A003Q7	467	Старый	57.0	Мужской	ANDROID	SMARTPHONE	Россия	М
3	A004TB	4190	Старый	44.0	Женский	IOS	SMARTPHONE	Россия	Ростовна
4	A004XT	1163	Старый	24.0	Мужской	ANDROID	SMARTPHONE	Россия	Р
5	A005O0	5501	Старый	42.0	Женский	ANDROID	SMARTPHONE	Россия	
6	A0061R	1236	Старый	45.0	Мужской	ANDROID	SMARTPHONE	Россия	
7	A009KS	313	Новый	35.0	Мужской	ANDROID	SMARTPHONE	Россия	М
8	A00AES	3238	Старый	36.0	Женский	ANDROID	SMARTPHONE	Россия	СанктПете
9	A00F70	4479	Старый	54.0	Женский	ANDROID	SMARTPHONE	Россия	Волг

In [4]:
```
# сохраним файл
#data.to_csv('F:\\обучение\\projects\\telecom_project\\data_telecom.csv',index = Fa
```