import json import random import matplotlib.pyplot as plt import seaborn as sns import sys token = 'vk1.a.fVkOcD00hRtHNgQx9uWpkBDyUKoEKKJsgzg7HFxiP-_-AyzRvw0aPSXZm2qfVfcKADH67vjwEA_DFcZe1Trmh6fW6te19cSv93VmwVTymGuXKAsaysq1XNAQAqXodoIy23n7z In [4]: vk_session = vk_api.VkApi(token=token) vk = vk_session.get_api() vk.messages.send(chat_id=1, random_id=1, message='Not too bad.') Out[5]: Google doc API In [6]: pip install gspread Defaulting to user installation because normal site-packages is not writeable Requirement already satisfied: gspread in c:\users\stask\appdata\roaming\python\python39\site-packages (5.10.0) Requirement already satisfied: google-auth>=1.12.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from gspread) (2.22.0) Requirement already satisfied: google-auth-oauthlib>=0.4.1 in c:\users\stask\appdata\roaming\python\python39\site-packages (from gspread) (1.0.0) Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\programdata\anaconda3\lib\site-packages (from google-auth>=1.12.0->gspread) (0.2.8) Requirement already satisfied: cachetools<6.0,>=2.0.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-auth>=1.12.0->gs pread) (5.3.1) Requirement already satisfied: rsa<5,>=3.1.4 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-auth>=1.12.0->gspread) Requirement already satisfied: six>=1.9.0 in c:\programdata\anaconda3\lib\site-packages (from google-auth>=1.12.0->gspread) (1.16.0) Requirement already satisfied: urllib3<2.0 in c:\programdata\anaconda3\lib\site-packages (from google-auth>=1.12.0->gspread) (1.26.11) Requirement already satisfied: requests-oauthlib>=0.7.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-auth-oauthlib> =0.4.1->gspread) (1.3.1) Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\programdata\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth>=1.12.0->gspread) (0.4.8) Requirement already satisfied: requests>=2.0.0 in c:\programdata\anaconda3\lib\site-packages (from requests-oauthlib>=0.7.0->google-auth-oauthlib>= 0.4.1->gspread) (2.28.1) Requirement already satisfied: oauthlib>=3.0.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from requests-oauthlib>=0.7.0->goog le-auth-oauthlib>=0.4.1->gspread) (3.2.2) Requirement already satisfied: charset-normalizer<3,>=2 in c:\programdata\anaconda3\lib\site-packages (from requests>=2.0.0->requests-oauthlib>=0. 7.0->google-auth-oauthlib>=0.4.1->gspread) (2.0.4) Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\lib\site-packages (from requests>=2.0.0->requests-oauthlib>=0.7.0->google-a uth-oauthlib>=0.4.1->gspread) (3.3) Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\lib\site-packages (from requests>=2.0.0->requests-oauthlib>=0.7.0->go ogle-auth-oauthlib \geq =0.4.1- \geq gspread) (2022.9.14) Note: you may need to restart the kernel to use updated packages. In [7]: pip install df2gspread Defaulting to user installation because normal site-packages is not writeable Requirement already satisfied: df2gspread in c:\users\stask\appdata\roaming\python\python39\site-packages (1.0.4) Requirement already satisfied: pandas in c:\programdata\anaconda3\lib\site-packages (from df2gspread) (1.4.4) Requirement already satisfied: gspread>=2.1.1 in c:\users\stask\appdata\roaming\python\python39\site-packages (from df2gspread) (5.10.0) Requirement already satisfied: google-api-python-client==1.6.7 in c:\users\stask\appdata\roaming\python\python\9\site-packages (from df2gspread) Collecting argparse>=1.3.0 Using cached argparse-1.4.0-py2.py3-none-any.whl (23 kB) Requirement already satisfied: oauth2client<5.0.0dev,>=1.5.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from df2gspread) (4. Requirement already satisfied: httplib2<1dev,>=0.9.2 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-api-python-client ==1.6.7->df2gspread) (0.22.0)Requirement already satisfied: uritemplate<4dev,>=3.0.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-api-python-cli ent==1.6.7->df2gspread) (3.0.1) Requirement already satisfied: six<2dev,>=1.6.1 in c:\programdata\anaconda3\lib\site-packages (from google-api-python-client==1.6.7->df2gspread) Requirement already satisfied: google-auth>=1.12.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from gspread>=2.1.1->df2gsprea d) (2.22.0) Requirement already satisfied: google-auth-oauthlib>=0.4.1 in c:\users\stask\appdata\roaming\python\python39\site-packages (from gspread>=2.1.1->df 2gspread) (1.0.0) Requirement already satisfied: rsa>=3.1.4 in c:\users\stask\appdata\roaming\python\python39\site-packages (from oauth2client<5.0.0dev,>=1.5.0->df2g spread) (4.9) Requirement already satisfied: pyasn1-modules>=0.0.5 in c:\programdata\anaconda3\lib\site-packages (from oauth2client<5.0.0dev,>=1.5.0->df2gspread) (0.2.8)Requirement already satisfied: pyasn1>=0.1.7 in c:\programdata\anaconda3\lib\site-packages (from oauth2client<5.0.0dev,>=1.5.0->df2gspread) (0.4.8) Requirement already satisfied: pytz>=2020.1 in c:\programdata\anaconda3\lib\site-packages (from pandas->df2gspread) (2022.1) Requirement already satisfied: numpy>=1.18.5 in c:\programdata\anaconda3\lib\site-packages (from pandas->df2gspread) (1.21.5) Requirement already satisfied: python-dateutil>=2.8.1 in c:\programdata\anaconda3\lib\site-packages (from pandas->df2gspread) (2.8.2) Requirement already satisfied: urllib3<2.0 in c:\programdata\anaconda3\lib\site-packages (from google-auth>=1.12.0->gspread>=2.1.1->df2gspread) (1. Requirement already satisfied: cachetools<6.0,>=2.0.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-auth>=1.12.0->gs pread >= 2.1.1 - df2gspread) (5.3.1)Requirement already satisfied: requests-oauthlib>=0.7.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from google-auth-oauthlib> =0.4.1- gspread>=2.1.1- df2gspread) (1.3.1) Requirement already satisfied: pyparsing!=3.0.0,!=3.0.1,!=3.0.2,!=3.0.3,<4,>=2.4.2 in c:\programdata\anaconda3\lib\site-packages (from httplib2<1de v,>=0.9.2->google-api-python-client==1.6.7->df2gspread) (3.0.9) Requirement already satisfied: oauthlib>=3.0.0 in c:\users\stask\appdata\roaming\python\python39\site-packages (from requests-oauthlib>=0.7.0->goog le-auth-oauthlib >= 0.4.1-> gspread >= 2.1.1-> df2gspread) (3.2.2)Requirement already satisfied: requests>=2.0.0 in c:\programdata\anaconda3\lib\site-packages (from requests-oauthlib>=0.7.0->google-auth-oauthlib>= 0.4.1->gspread>=2.1.1->df2gspread) (2.28.1) Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\lib\site-packages (from requests>=2.0.0->requests-oauthlib>=0.7.0->google-a uth-oauthlib>=0.4.1-yspread>=2.1.1-ydf2gspread) (3.3) Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\lib\site-packages (from requests>=2.0.0->requests-oauthlib>=0.7.0->go ogle-auth-oauthlib >= 0.4.1-> gspread >= 2.1.1-> df2gspread) (2022.9.14) Requirement already satisfied: charset-normalizer<3,>=2 in c:\programdata\anaconda3\lib\site-packages (from requests>=2.0.0->requests-oauthlib>=0. 7.0-9oogle-auth-oauthlib>=0.4.1-9spread>=2.1.1-9f2gspread) (2.0.4) Installing collected packages: argparse Successfully installed argparse-1.4.0 Note: you may need to restart the kernel to use updated packages. In [8]: pip install oauth2client Defaulting to user installation because normal site-packages is not writeable Requirement already satisfied: oauth2client in c:\users\stask\appdata\roaming\python\python39\site-packages (4.1.3) Requirement already satisfied: pyasn1-modules>=0.0.5 in c:\programdata\anaconda3\lib\site-packages (from oauth2client) (0.2.8) Requirement already satisfied: httplib2>=0.9.1 in c:\users\stask\appdata\roaming\python\python39\site-packages (from oauth2client) (0.22.0) Requirement already satisfied: six>=1.6.1 in c:\programdata\anaconda3\lib\site-packages (from oauth2client) (1.16.0) Requirement already satisfied: rsa>=3.1.4 in c:\users\stask\appdata\roaming\python\python39\site-packages (from oauth2client) (4.9) Requirement already satisfied: pyasn1>=0.1.7 in c:\programdata\anaconda3\lib\site-packages (from oauth2client) (0.4.8) Requirement already satisfied: pyparsing!=3.0.0,!=3.0.1,!=3.0.2,!=3.0.3,<4,>=2.4.2 in c:\programdata\anaconda3\lib\site-packages (from httplib2>=0. 9.1->oauth2client) (3.0.9) Note: you may need to restart the kernel to use updated packages. In [9]: **import** gspread from df2gspread import df2gspread as d2g from oauth2client.service_account import ServiceAccountCredentials In [10]: # Set up credentials scope = ['https://spreadsheets.google.com/feeds', 'https://www.googleapis.com/auth/drive'] my_mail = 'staskv2000@gmail.com' credentials = ServiceAccountCredentials.from_json_keyfile_name('manifest-verve-392606-1884b94a438f.json', scope) gs = gspread.authorize(credentials) # Access a specific spreadsheet table_name = 'api' work_sheet = gs.open(table_name) sheet1 = work_sheet.sheet1 # Get data in python lists format data = sheet1.get_all_values() In [11]: data [['group_id', 'price'], Out[11]: ['1', '20'], ['3', '40'], ['10', '6'], ['22', '6'], ['stas', '15'], ['stas', '15'], ['stas', '15']] headers = data.pop(0)In [13]: df = pd.DataFrame(data, columns=headers) group_id price Out[13]: 1 20 40 2 6 10 6 stas 15 15 stas 6 stas 15 In [14]: sheet1.append_row(['stas', 15]) {'spreadsheetId': '1j1RKDojjARrY6zOymbZPCaXckspLb7v7K3qGvFr5-ic', Out[14]: 'tableRange': 'Sheet1!A1:B8', 'updates': {'spreadsheetId': '1j1RKDojjARrY6zOymbZPCaXckspLb7v7K3qGvFr5-ic', 'updatedRange': 'Sheet1!A9:B9', 'updatedRows': 1, 'updatedColumns': 2, 'updatedCells': 2}} In [15]: # let's upload this df to new sheet sheet = 'New' d2g.upload(df, work_sheet.id, sheet, credentials=credentials, row_names=False) <Worksheet 'New' id:1859085648> Out[15]: **API** Yandex metrica url = 'https://api-metrica.yandex.net/stat/v1/data?' visits = 'metrics=ym:s:visits&dimensions=ym:s:date&id=44147844' visits_url = url + visits In [25]: visits_request = requests.get(visits_url) visits_request <Response [200]> Out[25]: In [27]: json_data = json.loads(visits_request.text) json_data['data'] [{'dimensions': [{'name': '2023-07-14'}], 'metrics': [800.0]}, {'dimensions': [{'name': '2023-07-13'}], 'metrics': [750.0]}, {'dimensions': [{'name': '2023-07-12'}], 'metrics': [700.0]}, {'dimensions': [{'name': '2023-07-11'}], 'metrics': [570.0]}, {'dimensions': [{'name': '2023-07-10'}], 'metrics': [530.0]}, {'dimensions': [{'name': '2023-07-15'}], 'metrics': [260.0]}, {'dimensions': [{'name': '2023-07-16'}], 'metrics': [60.0]}] In [28]: y_df = pd.DataFrame([(i['dimensions'][0]['name'], i['metrics'][0]) for i in json_data['data']], columns=['date', 'visits']) y_df Out[28]: date visits **0** 2023-07-14 800.0 **1** 2023-07-13 750.0 **2** 2023-07-12 700.0

In [1]: pip install vk-api

import pandas as pd
import datetime
import vk_api
import os

import requests

3 2023-07-11 570.0
4 2023-07-10 530.0
5 2023-07-15 260.0
6 2023-07-16 60.0

In [29]:

Out[29]:

sheet = 'Yandex Metrica'

<Worksheet 'Yandex Metrica' id:1397604895>

d2g.upload(y_df, work_sheet.id, sheet, credentials=credentials, row_names=False)

Defaulting to user installation because normal site-packages is not writeable

Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: vk-api in c:\users\stask\appdata\roaming\python\python39\site-packages (11.9.9)
Requirement already satisfied: requests in c:\programdata\anaconda3\lib\site-packages (from vk-api) (2.28.1)

Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\lib\site-packages (from requests->vk-api) (3.3)

Requirement already satisfied: charset-normalizer<3,>=2 in c:\programdata\anaconda3\lib\site-packages (from requests->vk-api) (2.0.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\programdata\anaconda3\lib\site-packages (from requests->vk-api) (1.26.11)
Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\lib\site-packages (from requests->vk-api) (2022.9.14)