

```
"""
Python ?????A?????????
"""

import time
import datetime
import tushare as ts

ts.set_token('your token') #??????
pro = ts.pro_api()

def get_data_stock_daily(ts_code='', start_date='', end_date=
'', retry_count=3, pause=2):
    #3????????????????2?
    #??????16?????????
    for g in range(retry_count):
        try:
            df = pro.daily(ts_code=ts_code, start_date=start
_date, end_date=end_date,
                        fields='ts_code,trade_date,open,h
igh,low,close,pre_close,change,pct_chg,vol,amount')
        except Exception as err:
            print(err)
            time.sleep(pause)
        else:
            return df

def get_data_stock_daily_a(trade_date='', retry_count=3, pau
se=2):
    #3????????????????2?
    #??????16?????????
    for g in range(retry_count):
        try:
            df = pro.daily(trade_date=trade_date, fields='ts
_code,trade_date,open,high,low,close,pre_close,change,\
                                pct
_chg,vol,amount')
        except Exception as err:
            print(err)
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        time.sleep(pause)
    else:
        return df

def end_dt(days=0):
    try:
        time_temp = datetime.datetime.now() - datetime.timedelta(days=days)
        dt = time_temp.strftime('%Y%m%d')
        return dt
    except Exception as err:
        print('end_dt is err', err)

if __name__ == '__main__':

    start_dt = end_dt(days=20)           #??????
    end_dt = end_dt(days=0)             #??????
    print(start_dt, end_dt)
    last_trade_dt = '20221111'         #??????
    code_wm = '002594.SZ'              #?????? ??????

    #??002594.SZ????????
    df_wm = get_data_stock_daily(ts_code=code_wm, start_date
=start_dt, end_date=end_dt, retry_count=3, pause=2)
    print(df_wm)

    #??2022?11?11????????
    df_nv = get_data_stock_daily_a(trade_date=last_trade_dt,
retry_count=3, pause=2)
    print(df_nv)

    """???
    20221023 20221112
           ts_code trade_date    open  ...  pct_chg      vo
1      amount
    0  002594.SZ    20221111  270.50  ...    3.2813  166099.5
9  4467701.122
    1  002594.SZ    20221110  264.63  ...   -3.4751  155496.7
7  4039239.830
```

| | | | | | | |
|----|-------------|----------|--------|-----|---------|----------|
| 2 | 002594.SZ | 20221109 | 278.15 | ... | -2.4529 | 111946.3 |
| 6 | 3038705.770 | | | | | |
| 3 | 002594.SZ | 20221108 | 279.45 | ... | -0.8857 | 105634.4 |
| 9 | 2925766.812 | | | | | |
| 4 | 002594.SZ | 20221107 | 275.00 | ... | -0.4711 | 135842.0 |
| 6 | 3781158.420 | | | | | |
| 5 | 002594.SZ | 20221104 | 268.98 | ... | 4.5600 | 224886.8 |
| 9 | 6270505.264 | | | | | |
| 6 | 002594.SZ | 20221103 | 265.02 | ... | 0.1570 | 102383.9 |
| 7 | 2747240.766 | | | | | |
| 7 | 002594.SZ | 20221102 | 261.00 | ... | 2.1923 | 187319.2 |
| 9 | 4980989.815 | | | | | |
| 8 | 002594.SZ | 20221101 | 247.11 | ... | 6.1418 | 219282.7 |
| 1 | 5620272.304 | | | | | |
| 9 | 002594.SZ | 20221031 | 237.50 | ... | 2.8263 | 187942.3 |
| 3 | 4625511.532 | | | | | |
| 10 | 002594.SZ | 20221028 | 253.00 | ... | -5.9255 | 263163.9 |
| 3 | 6372054.067 | | | | | |
| 11 | 002594.SZ | 20221027 | 258.99 | ... | -1.1130 | 97765.8 |
| 2 | 2516238.985 | | | | | |
| 12 | 002594.SZ | 20221026 | 260.00 | ... | -0.0155 | 126415.2 |
| 7 | 3279130.696 | | | | | |
| 13 | 002594.SZ | 20221025 | 253.00 | ... | 0.9156 | 113242.6 |
| 7 | 2897739.554 | | | | | |
| 14 | 002594.SZ | 20221024 | 264.90 | ... | -4.0293 | 167412.5 |
| 6 | 4324097.663 | | | | | |

[15 rows x 11 columns]

| | ts_code | trade_date | open | ... | pct_chg | |
|-----|-------------|------------|-------|--------|------------|-------------|
| vol | amount | | | | | |
| 0 | 000001.SZ | 20221111 | 11.13 | ... | 5.1518 | 2545070 |
| .55 | 2878557.392 | | | | | |
| 1 | 000002 | | | | | |
| .SZ | 20221111 | 14.73 | ... | 9.9791 | 2911654.04 | 4449223.899 |
| 2 | 000004.SZ | 20221111 | 9.77 | ... | -2.3933 | 22947 |
| .25 | 22190.216 | | | | | |
| 3 | 000005.SZ | 20221111 | 1.81 | ... | -1.1050 | 121048 |
| .82 | 21737.140 | | | | | |
| 4 | 000006.SZ | 20221111 | 3.98 | ... | 4.1026 | 246891 |

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.22      99659.542
...      ...      ...      ...      ...      ...
...      ...
4977  873122.BJ  20221111  11.95  ...  -1.3445  5547
.54      6557.802
4978  873169.BJ  20221111   6.62  ...   0.1517  6569
.34      4333.168
4979  873223.BJ  20221111   3.84  ...   1.3123  21598
.31      8352.987
4980  873527.BJ  20221111   9.48  ...   0.1079  2668
.09      2483.030
4981  689009.SH  20221111  33.50  ...   1.8416  48064
.52     158772.548
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[4982 rows x 11 columns]
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Process finished with exit code 0
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Pgabc 2022000029
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author : Pgabc
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www.wmdbsoft.com
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pip install pgabc
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"""
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