```
In [72]: import pandas as pd
          import numpy as np
          df = pd.read_csv("ChocolateWeightMMT1a.txt", parse_dates = ['Reading'],
                             na_values=['-999'], delim_whitespace=True)
In [73]: df.head()
Out[73]:
              Reading Grams weight
                               NaN
           0 2019:2:20
                        NaN
           1 14:18:17 251.06
                              47.1
             14:18:18 251.06
                              47.1
             14:18:21 251.06
                              47.1
             14:18:24 251.06
                               47.1
In [74]: | df.columns = ['time', 'weight', 'grams']
          df.drop(df.index[0], inplace=True)
In [75]: | df.head()
Out[75]:
                time weight grams
           1 14:18:17 251.06
                             47.1
           2 14:18:18 251.06
                             47.1
           3 14:18:21 251.06
           4 14:18:24 251.06
                             47.1
           5 14:18:26 251.06
                             47.1
In [76]: df = df.reset_index(drop=True)
In [77]: | df.head()
Out[77]:
                time weight grams
           0 14:18:17 251.06
                             47.1
           1 14:18:18 251.06
                             47.1
           2 14:18:21 251.06
                             47.1
           3 14:18:24 251.06
                             47.1
           4 14:18:26 251.06
                             47.1
In [83]: df.time = pd.to_timedelta(df.time)
In [84]: type(df.time[2])
Out[84]: pandas._libs.tslibs.timedeltas.Timedelta
In [80]: len(df)
Out[80]: 166
In [81]: time_array=np.arange(166.)
In [82]: len(time_array)
Out[82]: 166
```

```
import datetime
            #tot=df.time[1]-df.time[0]
            #datetime.timedelta(tot).total seconds()
            for i in time_array:
                time array[n]=datetime.timedelta.total seconds(df.time[n]-df.time[0])
 In [97]: time array
 Out[97]: array([ 0.,
                                           7.,
                                                 9., 12., 15., 17., 20., 23.,
                             1.,
                                    4.,
                     28.,
                                  33.,
                                         36., 51., 52., 54., 57., 60., 67.,
                            31.,
                          77., 78., 78., 81., 83., 86., 89., 92., 94., 97.,
                     99., 102., 105., 108., 110., 113., 115., 118., 121., 123., 126.,
                   129., 131., 134., 137., 139., 167., 168., 171., 174., 176., 179., 182., 184., 187., 190., 192., 195., 197., 200., 203., 206., 208.,
                   211., 214., 216., 219., 221., 224., 227., 230., 232., 235., 237.,
                    240., 243., 245., 248., 251., 254., 257., 258., 261., 264., 267.,
                   269., 272., 275., 277., 280., 282., 285., 288., 290., 293., 296.,
                   299., 301., 304., 307., 309., 312., 314., 317., 320., 322., 325., 328., 331., 333., 336., 338., 341., 343., 346., 349., 352., 355., 357., 359., 362., 365., 367., 370., 373., 375., 378., 381., 383.,
                   386., 388., 391., 394., 397., 399., 402., 404., 407., 410., 412.,
                    415., 418., 420., 423., 426., 428., 431., 434., 436., 439., 442.,
                    444., 447., 449., 453., 455., 458., 460., 463., 467., 468., 471.,
                    476.1)
 In [98]: datetime.timedelta.total seconds(df.time[3]-df.time[0])
 Out[98]: 7.0
In [106]: df = df.drop("time", axis=1)
           df.head()
In [108]:
Out[108]:
               weight grams
            0 251.06
                        47.1
            1 251.06
                        47.1
            2 251.06
                        47.1
            3 251.06
                        47.1
            4 251.06
                        47.1
In [152]: import pandas as pd
            time array=pd.DataFrame(data=time array)
  In [ ]: type(time_array)
In [111]: df array=pd.concat([time array,df],axis=1)
In [112]: df_array.head()
Out[112]:
                0 weight grams
            0 0.0 251.06
            1 1.0 251.06
                            47.1
            2 4.0 251.06
                            47.1
            3 7.0 251.06
                            47.1
            4 9.0 251.06
                            47.1
In [113]: df_array.columns = ['time', 'weight', 'grams']
```

In [96]:

#df['time']=pd.to datetime(df['time'])

```
In [114]: df_array.head()
```

## Out[114]:

```
        time
        weight
        grams

        0
        0.0
        251.06
        47.1

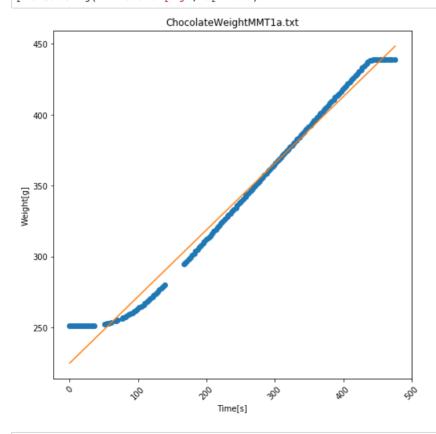
        1
        1.0
        251.06
        47.1

        2
        4.0
        251.06
        47.1

        3
        7.0
        251.06
        47.1

        4
        9.0
        251.06
        47.1
```

```
In [143]: | import matplotlib.pyplot as plt
          from scipy import stats
          # create the plot space upon which to plot the data
          fig, ax = plt.subplots(figsize = (8,8))
          slope, intercept, r_value, p_value, std_err = stats.linregress(df_array.time,df_array['weig
          ht'])
          line = slope*df_array.time+intercept
          # add the x-axis and the y-axis to the plot
          ax.plot(df_array.time, df_array['weight'],'o', df_array.time, line)
          # rotate tick labels
          plt.setp(ax.get_xticklabels(), rotation=45)
          # set title and labels for axes
          ax.set(xlabel="Time[s]",
                 ylabel="Weight[g]",
                 title="ChocolateWeightMMT1a.txt");
          plt.savefig('filename.png', dpi=600)
```



```
(base) Zulfidins-MacBook-Pro:~ zulfidinkhodzhaev$ conda list
# packages in environment at /anaconda3:
                                              Build Channel
                      Version
_ipyw_jlab_nb_ext_conf 0.1.0
                                             py37_0
                     0.7.12
alabaster
                                             py37_0
                                             py37_0
py37_0
anaconda
                       2018.12
anaconda-client
                      1.7.2
anaconda-navigator 1.9.6
anaconda-project 0.8.2
                                             py37 0
                                             py37 0
                     0.1.0
                                             py37_0
appnope
                      1.0.1
appscript
                                     py37h1de35cc_1
asn1crypto
                       0.24.0
                                             py37 0
                                             py37 0
                      2.1.0
astroid
                                     py37h1de35cc 0
astropy
                      3.1
atomicwrites
                      1.2.1
                                             py37 0
                      18.2.0
                                     py37h28b3542_0
attrs
automat
                       0.7.0
                                            pypi_0
                                                      pypi
                       2.6.0
babe1
                                             py37 0
                                             py37 0
backcall
                      0.1.0
backports
                                             py37 1
                      1.0
backports.os
                      0.1.1
                                             py37 0
backports.shutil_get_terminal_size 1.0.0
                                                      py37_2
beautifulsoup4 4.6.3
                                             py37 0
                                     py37h1de35cc 0
bitarray
                      0.8.3
                                          py37 0
bkcharts
                      0.2
blas
                      1.0
                                               mk1
                       0.11.3
blaze
                                             py37_0
bleach
                       3.0.2
                                             py37_0
                       1.14.4
                                         hd9629dc 0
blosc
                      1.0.2
                                             py37 0
bokeh
                      2.49.0
                                             py37 0
boto
                      1.9.118
boto3
                                             pypi_0
                                                      pypi
                      1.12.118
botocore
                                             pypi 0
                                                      pypi
                                     py37h1d22016 1
bottleneck
                       1.2.1
                                     h1de35cc_5
                      1.0.6
bzip2
                     2018.03.07
ca-certificates
certifi
                      2018.11.29
                                             py37 0
cffi
                      1.11.5
                                     py37h6174b99_1
chardet
                       3.0.4
                                            py37_1
click
                       7.0
                                             py37 0
                      0.6.1
                                             py37 0
cloudpickle
clyent
                      1.2.2
                                             py37 1
colorama
                      0.4.1
                                             py37_0
coloredlogs
                      10.0
                                             pypi_0
                                                      pypi
conda
                       4.6.8
                                             py37 0
conda-build
                      3.17.6
                                             py37_0
conda-env
                      2.6.0
conda-verify
                      3.1.1
                                             py37 0
                      15.1.0
constantly
                                             pypi_0
                                                      рурі
                      0.5.5
contextlib2
                                             py37_0
                                     py37ha12b0ac 0
cryptography
                       2.4.2
                      7.63.0
                                      ha441bb4_1000
cur1
cycler
                      0.10.0
                                             py37 0
cymem
                      2.0.2
                                             pypi 0
                                                      рурі
cython
                       0.29.2
                                     py37h0a44026_0
cytoolz
                       0.9.0.1
                                     py37h1de35cc 1
                                             py37 0
dask
                       1.0.0
                                             py37 0
dask-core
                      1.0.0
datashape
                      0.5.4
                                             py37 1
                                          h760590f_1
dbus
                      1.13.2
decorator
                       4.3.0
                                            py37_0
defusedxml
                       0.5.0
                                             py37_1
dill
                      0.2.9
                                             pypi_0
                                                      pypi
distributed
                      1.25.1
                                             py37 0
docutils
                      0.14
                                             py37_0
                      2.0.0
en-core-web-md
                                             pypi_0
                                                      рурі
                       0.2.3
                                             py37_2
entrypoints
                                             py37_0
et xmlfile
                      1.0.1
expat
                      2.2.6
                                         h0a44026 0
                                     py37h1de35cc_2
fastcache
                      1.0.2
filelock
                      3.0.10
                                             py37_0
                                             py37_1
flask
                       1.0.2
flask-cors
                       3.0.7
                                             py37 0
                       2.9.1
                                         hb4e5f40 0
freetype
```

future	0.17.1	py37_0	
<pre>get_terminal_size</pre>	1.0.0	h7520d66_0	
gettext	0.19.8.1 1.3.7	h15daf44_3 py37h1de35cc 1	
gevent glib	2.56.2	hd9629dc 0	
glob2	0.6	py37 1	
gmp	6.1.2	hb37e062 1	
gmpy2	2.0.8	py37h6ef4df4 2	
greenlet	0.4.15	py37h1de35cc_0	
h5py	2.8.0	py37h878fce3_3	
hdf5	1.10.2	hfale0ec_1	
heapdict	1.0.0	py37_2	
html5lib humanfriendly	1.0.1 4.18	py37_0	
hyperlink	18.0.0	рурі_0 рурі_0	рурі рурі
icu	58.2	h4b95b61 1	PYPI
idna	2.8	py37 0	
imageio	2.4.1	py37 0	
imagesize	1.1.0	py37_0	
<pre>importlib_metadata</pre>	0.6	py37_0	
incremental	17.5.0	pypi_0	pypi
intel-openmp	2019.1	144	
ipykernel ipython	5.1.0 7.2.0	py37h39e3cac_0 py37h39e3cac 0	
ipython genutils	0.2.0	py37H39e3CaC_0 py37 0	
ipywidgets	7.4.2	py37_0 py37_0	
isort	4.3.4	py37_0	
itsdangerous	1.1.0	py37 0	
jbig	2.1	h4d881f8_0	
jdcal	1.4	py37_0	
jedi	0.13.2	py37_0	
jinja2	2.10	py37_0	
jmespath	0.9.4	pypi_0	pypi
jpeg jsonschema	9b 2.6.0	he5867d9_2 py37 0	
jupyter	1.0.0	py37_0 py37_7	
jupyter client	5.2.4	py37_7 py37_0	
jupyter console	6.0.0	py37 0	
jupyter_core	4.4.0	py37_0	
jupyterlab	0.35.3	py37_0	
<pre>jupyterlab_server</pre>	0.2.0	py37_0	
keyring	17.0.0	py37_0	
kiwisolver	1.0.1 17.10.0	py37h0a44026_0	
klein krb5	1.16.1	pypi_0 hddcf347 7	рурі
lazy-object-proxy	1.3.1	py37h1de35cc 2	
libarchive	3.3.3	h786848e 5	
libcurl	7.63.0	h051b688 1000	
libcxx	4.0.1	hcfea43d_1	
libcxxabi	4.0.1	hcfea43d_1	
libedit	3.1.20170329	hb402a30_2	
libffi	3.2.1	h475c297_4	
libgfortran libiconv	3.0.1 1.15	h93005f0_2 hdd342a3 7	
liblief	0.9.0	h2a1bed3 0	
libpng	1.6.35	ha441bb4 0	
libsodium	1.0.16	h3efe00b 0	
libssh2	1.8.0	ha12b0ac_4	
libtiff	4.0.9	hcb84e12_2	
libxm12	2.9.8	hab757c2_1	
libxslt	1.1.32	hb819dd2_0	
llvmlite locket	0.26.0 0.2.0	py37h8c7ce04_0	
1xm1	4.2.5	py37_1 py37hef8c89e 0	
1z4-c	1.8.1.2	h1de35cc 0	
120	2.10	h362108e 2	
markupsafe	1.1.0	py37h1de35cc_0	
matplotlib	2.2.4	pypi_0	pypi
mccabe	0.6.1	py37_1	
mistune	0.8.4	py37h1de35cc_0	
mk1	2019.1	144	
mkl-service mkl fft	1.1.2	py37hfbe908c_5	
mkl_fit mkl random	1.0.6 1.0.2	py37h27c97d8_0 py37h27c97d8 0	
more-itertools	4.3.0	py37H27C97d8_0 py37 0	
mpc	1.1.0	h6ef4df4_1	
mpfr	4.0.1	h3018a27_3	
		_	

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msgpack-numpy	0.4.3.2	pypi_0	pypi
msgpack-python	0.5.6	py37h04f5b5a_1	
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murmurhash	1.0.2	pypi_0	pypi
navigator-updater	0.2.1	py37_0	
nbconvert	5.4.0	py37_1	
nbformat ncurses	4.4.0 6.1	py37_0 h0a44026 1	
networkx	2.2	py37 1	
nltk	3.4	py37_1	
nose	1.3.7	py37_2	
notebook	5.7.4	py37 0	
numba	0.41.0	py37h6440ff4_0	
numexpr	2.6.8	py37h7413580_0	
numpy	1.15.4	py37hacdab7b_0	
numpy-base	1.15.4	py37h6575580_0	
numpydoc	0.8.0	py37_0	
odo olefile	0.5.1	py37_0	
	0.46 2.5.12	py37_0	
openpyxl openssl	2.5.12 1.1.1a	py37_0 h1de35cc 0	
packaging	18.0	py37 0	
pandas	0.23.4	py37h6440ff4 0	
pandoc	1.19.2.1	ha5e8f32 1	
pandocfilters	1.4.2	py37 1	
parso	0.3.1	py37_0	
partd	0.3.9	py37_0	
path.py	11.5.0	py37_0	
pathlib2	2.3.3	py37_0	
patsy	0.5.1	py37_0	
pcre	8.42	h378b8a2_0	
pep8	1.7.1 4.6.0	py37_0	
pexpect pickleshare	0.7.5	py37_0 py37_0	
pillow	5.3.0	py37hb68e598 0	
pip	18.1	py37 0	
pkginfo	1.4.2	py37 1	
plac	0.9.6	рурі 0	pypi
pluggy	0.8.0	py37_0	
ply	3.11	py37_0	
preshed	2.0.1	pypi_0	pypi
prometheus_client	0.5.0	py37_0	
prompt_toolkit	2.0.7	py37_0	
psutil	5.4.8	py37h1de35cc_0	
ptyprocess	0.6.0 1.7.0	py37_0	
py py-lief	0.9.0	py37_0 py37hd4eaf27 0	
pycodestyle	2.4.0	py3/Ma4ea12/_0 py37 0	
pycosat	0.6.3	py37h1de35cc 0	
pycparser	2.19	py37 0	
pycrypto	2.6.1	py37h1de35cc 9	
pycurl	7.43.0.2	py37ha12b0ac 0	
pyflakes	2.0.0	py37_0	
pygments	2.3.1	py37_0	
pyhamcrest	1.9.0	pypi_0	pypi
pylint	2.2.2	py37_0	
pyodbc	4.0.25	py37h0a44026_0	
pyopenssl	18.0.0	py37_0	
pyparsing	2.3.0	py37_0	
pyqt pysocks	5.9.2 1.6.8	py37h655552a_2 py37 0	
pytables	3.4.4	py37h13cba08 0	
pytest	4.0.2	py37M13cbd00_0	
pytest-arraydiff	0.3	py37h39e3cac 0	
pytest-astropy	0.5.0	py37 0	
pytest-doctestplus	0.2.0	py37_0	
pytest-openfiles	0.3.1	py37_0	
pytest-remotedata	0.3.1	py37_0	
python	3.7.1	haf84260_7	
python-crfsuite	0.9.6	pypi_0	pypi
		py37 0	
python-dateutil	2.7.5		
python-libarchive-c	2.8	py37_6	
python-libarchive-c python.app	2.8 2	py37_6 py37_9	
<pre>python-libarchive-c python.app pytz</pre>	2.8 2 2018.7	py37_6 py37_9 py37_0	
python-libarchive-c python.app	2.8 2	py37_6 py37_9	

qtawesome   0.5.3   py37_0   qtconsole   4.4.3   py37_0   qtconsole   4.4.3   py37_0   qtcy   1.5.2   py37_0   qtpy   1.5.2   py37_0   py   qtpy   1.5.2   py37_0   qtpy   1.0   pypi_0   py   qtpy	pyzmq	17.1.2	py37h1de35cc_0	
qtconsole         4.4.3         py37_0           qtpy         1.5.2         py37_0           readline         7.0         h1de35cc_5           reques         2018.1.10         ppji_0         py           reques         2.21.0         py37.0         requests         2.21.0         py37.0           rope         0.11.0         py37.0         pyj.0         py           ruamel-yaml         0.15.89         pypi_0         py           s3transfer         0.2.0         py37h0a44026_0         py           scikit-learn         0.20.3         py37h0a44026_0         py           scipy         1.1.0         py37h1410fff_2         py           scipy         1.1.0         py37h1410fff_2         py           scipy         1.1.0         py37h1410fff_2         py           scipy         1.1.0         py37h0a44026_0         py           scipy         1.1.0         py37h0a44026_0         py37.0           simplegeneric         0.8.1         py37.0         py37.0           simplegeneric         0.8.1         py37.0         py37.0           simplegeneric         0.8.1         py37.0         py37.0           six	qt	5.9.7	h468cd18_1	
Table	_			
rasa—nlu	<del>-</del>			
readline 7.0 hlde35cc_5 py regex 2018.1.10 pyp1_0 py requests 2.21.0 pyp3_0 rope 0.11.0 pyp3_0 rope 0.11.0 pyp3_0 rope 0.11.0 pyp3_0 ruamel_yaml 0.15.89 pypp1_0 py ruamel_yaml 0.15.46 py37hlde35cc_0 scikit-learn 0.20.3 pyp1_0 py scikit-learn 0.20.3 pyp3_0 scikit-learn 0.20.1 pyp3_0 scikit-learn 0.20.3 pyp3_0 scikit-learn 0.20.3 pyp3_0 scikit-learn 0.20.3 pyp3_0 scikit-learn 0.20.1 pyp3_0 pyp3_0 scikit-learn 0.20.0 pyp3_0 scikit-learn 0.20.1 pyp3_0 pyp3_0 scikit-learn 0.20.0 pyp3_0 pyp3_0 scikit-learn 0.20.0 pyp3_0 pyp3_0 scikit-learn 0.20.0 pyp3_0 pyp3_0 scikit-learn 0.20.0 pyp3_0 py3_0 scikit-learn 0.20.0 pyp3_0 py3_0 py3_0 scikit-learn 0.20.0 pyp3_0 py3_0 py3_0 scikit-learn 0.20.0 pyp3_0 py3_0				
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ruamel-yaml	<del>-</del>			
ruamel_yaml	<del>-</del>			
stransfer         0.2.0         pypi 0         pypi				рур
scikit-image         0.14.1         py37h0a44026_0         0           scipy         0.20.3         pyp1_0         py           scipy         1.1.0         py37h1410ff5_2         py37_0           send2trash         1.5.0         py37_0         py37_0           setuptools         40.6.3         py37_0         py37_0           simplejeeneric         0.8.1         py37_2         py37_0           simplejeon         3.16.0         py97_0         py37_0           singledispatch         3.4.0.3         py37_0         py37_0           sip         4.19.8         py37h0a44026_0         py37_0           sklearn-crfsuite         0.3.6         py97_0         py37_0           scrtedcollections         1.0.1         py37_0         py37_0           sportedcollections         1.0.1         py37_0         py37_0           sphinx         1.8.2         py37_0         py37	<del>_</del> =		<i>py37h1de35cc</i> _0	
scikit-learn         0.20.3         pypi_0         py           scipy         1.1.0         py37h1410ff5_2         py           seaborn         0.9.0         py37_0         py37_0           sendItrash         1.5.0         py37_0         py37_0           setuptools         40.6.3         py37_0         py37_0           simplegeneric         0.8.1         py37_2         py37_0           simpledispatch         3.46.0         py97_0         py           sip         4.19.8         py37h0a44026_0         py           six         1.12.0         py37_0         py37_0           sklearn-crfsuite         0.3.6         pypi_0_0         py           snappy         1.1.7         he62c110_3         py37_0           snowballstemmer         1.2.1         py37_0         py37_0           spacy         2.0.18         pypi_0_0         py           spacy containers         2.1.0         py37_0         py37_0           sphinxcontrib         1.0         py37_1         py37_0           sphinxcontrib         1.0         py37_1         py37_1           spyder         3.3.2         py37_0         py37_1           spyder-kernels <td></td> <td></td> <td></td> <td>рур</td>				рур
scipy         1.1.0         py37h1410ff5_2           seaborn         0.9.0         py37_0           send2trash         1.5.0         py37_0           setuptools         40.6.3         py37_0           simplegeneric         0.8.1         py37_0           simplejson         3.16.0         pypi_0         py3           sip         4.19.8         py37h044026_0         py37_0           six         1.12.0         py37h044026_0         py37_0           sklearn-crfsuite         0.3.6         py97i_0         py           sklearn-crfsuite         0.3.6         py37_0         py37_0           screed-collections         1.0.1         py37_0         py37_0           spepi_0         py37_0         py37_1         py37_1<		0.14.1	py37h0a44026_0	
seaborn         0.9.0         py37.0           send2trash         1.5.0         py37.0           setuptools         40.6.3         py37.0           simplejeeneric         0.8.1         py37.0           simplejson         3.16.0         py91.0         py           sip         4.19.8         py37h0a44026.0         py37.0           six         1.12.0         py37.0         py37.0           sklearn-crfsuite         0.3.6         py91.0         py           sklearn-crfsuite         0.3.6         py37.0         py37.0           sklearn-crfsuite         0.3.6         py37.0         py37.0           sklearn-crfsuite         0.3.6         py37.0         py37.0           schackcollections         1.0.1         py37.0         py37.0           sortedcollections         1.0.1         py37.0         py37.0           spacy         2.0.18         py91.0         py           spacy         2.0.18         py91.0         py           sphinxcontrib         1.0         py37.1         sphinxcontrib         py37.1         spy37.0           spyder-kernels         0.3.0         py37.1         spy37.0         spy37.1         spy37.0	scikit-learn	0.20.3	pypi_0	рур
send2trash         1.5.0         py37_0           setuptools         40.6.3         py37_0           simplegeneric         0.8.1         py37_2           simplejson         3.16.0         pypi_0         py           singledispatch         3.40.3         py370044026_0         py           six         1.12.0         py370044026_0         py           sklearn-crfsuite         0.3.6         py37_0         py           snappy         1.1.7         he62c110_3         py           snappy         1.1.7         he62c110_3         py           snappy         1.1.7         he62c110_3         py           sortedcollections         1.0.1         py37_0         py           sortedcontainers         2.1.0         py37_0         py           spacy         2.0.18         pyPpi_0         py           sphinx contrib         1.0         py37_1         py           sphinx contrib         1.0         py37_1         py           sphinx contrib         1.0         py37_1         py           spyder         3.3.2         py37_0         py           splate         3.2         py37_1         py           s	scipy	1.1.0	py37h1410ff5_2	
setuptools         40.6.3         py37_0           simplegeneric         0.8.1         py37_2           simplejson         3.16.0         pypi_0         py           simplejson         3.4.0.3         py37/0         py           six         1.12.0         py37/044026_0         py           six         1.12.0         py37/044026_0         py           sklearn-crfsuite         0.3.6         pypi_0         py           sklearn-crfsuite         0.3.6         py37_0         py           sklearn-crfsuite         0.3.6         py37_0         py           schedcollections         1.0.1         py37_0         py37_0           sortedcollections         1.0.1         py37_0         py           spready         2.0.18         pypi_0         py           spacy         2.0.18         py37_0         py           sphinx         1.8.2         py37_0         py           sphinxcontrib         1.0         py37_1         sphinxcontrib         py37_0         py           sphinxcontrib         1.0         py37_1         spyder-sphincontrib         1.0         py37_1         py37_0         py37_0         py37_0         py37_0         py37_0 <td>seaborn</td> <td>0.9.0</td> <td>py37_0</td> <td></td>	seaborn	0.9.0	py37_0	
simplegeneric       0.8.1       py37_2       py17_0       py         simplejson       3.16.0       pyp1_0       py	send2trash	1.5.0	py37_0	
simplejson       3.16.0       pypi_0       py         singledispatch       3.4.0.3       py37.0       py         sip       4.19.8       py37h0a44026_0       py         six       1.12.0       py37_0       py         sklearn-crfsuite       0.3.6       pypi_0       py         snappy       1.1.7       he62c110_3       py37_0       py         snappy       1.1.7       he62c110_3       py37_0       py         sortedcollections       1.0.1       py37_0       py37_0       py37_0       py37_0       py37_0       py37_0       py37_0       py37_0       py37_0       py37_1	setuptools	40.6.3	py37_0	
singledispatch         3.4.0.3         py37.0           sip         4.19.8         py37h0a4402c_0           six         1.12.0         py37h0a4402c_0           six         1.12.0         py37.0           sklearn-crfsuite         0.3.6         pypi_0         py           snappy         1.1.7         he62c110_3         py           sortedcollections         1.0.1         py37_0         sortedcontainers         2.1.0         py37_0         py           spacy         2.0.18         pypi_0         py	simplegeneric	0.8.1	py37_2	
singledispatch       3.4.0.3       py37h0a44026_0         siz       1.12.0       py37h0a44026_0         six       1.12.0       py37h0a44026_0         sklearn-crfsuite       0.3.6       pypi_0       py         schlearn-crfsuite       0.3.6       pypi_0       py         schlearn-crfsuite       0.3.6       pypi_0       py         schlearn-crfsuite       0.3.6       pypi_0       py         sonappy       1.1.7       he62cil0_3       py         sortedcollections       1.0.1       py37_0       py         sortedcontainers       2.1.0       py37_0       py         spacy       2.0.18       pypi_0       py         spacy       2.0.18       pypi_0       py         sphinxcontrib       1.0       py37_1       sphinxcontrib       py         sphinxcontrib-websupport       1.1.0       py37_1       spy       py37_0       spy         spyder-kernels       0.3.0       py37_1       spy       py37_0       spy       py37_0       spy       spy       py37_0       spy       spy       py37_0       spy       spy       py37_0       py37_0       py37_0       py37_0       py37_0       py37_0       py3		3.16.0	pypi 0	рур
sip         4.19.8         py37h0a4v026_0           six         1.12.0         py37_0           sklearn-crfsuite         0.3.6         pypi_0         py           snappy         1.1.7         he62c110_3         py           snowballstemmer         1.2.1         py37_0         sortedcontainers           sortedcontainers         2.1.0         py37_0         sortedcontainers           spacy         2.0.18         pypi_0         py           sphinx         1.8.2         py37_0         sphinxcontrib         1.0         py37_1         sphinxcontrib-websupport         1.1.0         py37_1         sphinxcontrib-websupport         1.1.0         py37_1         sphinxcontrib-websupport         1.1.0         py37_1         sphinxcontrib-websupport         1.1.0         py37_1         spyder         spyder         3.3.2         py37_0         spyder         spyder         3.3.2         py37_0         spyder         spyder         3.3.2         py37_0         spyder         spyder         3.3.2         py37_0         spyder         3.3.2         py37_0         spyder         spyder         3.3.2         py37_0         spyder         spyder         3.3.2         py37_0         spyder         spyder         3.3.2         py37_0		3.4.0.3		
six			<del>-</del>	
Sklearn-crfsuite	<del>-</del>			
### Snappy   1.1.7   he62c110 3   snowballstemmer   1.2.1   py37.0   snowballstemmer   1.2.1   py37.0   sortedcontainers   2.1.0   py37.0   spacy   2.0.18   py91.0   py37.1   sphinx   1.8.2   py37.0   sphinx   1.8.2   py37.1   sphinxcontrib   1.0   py37.1   sphinxcontrib-websupport   1.1.0   py37.1   spyder   3.3.2   py37.0   sglalchemy   1.2.15   py37hlde35cc   salalchemy   1.2.15   py37hlde35cc   salalchemy   1.2.15   py37hlde35cc   statsmodels   0.9.0   py37hlde2016   0   sympy   1.3   py37.0   testinado   1.3.2   py37.0   py   1.3   py37.0   testinado   1.3.2   py37.0   testinado   0.8.1   py37hlde35cc   0   testinado   0.8.1   py37hlde35cc   0   testinado   0.8.1   py37.0   testinado   0.8.1   py37.0   testinado   0.8.1   py37.0   testinado   0.8.1   py37hlde35cc   0   testinado   0.8.1   py37hlde35cc   0   testinado   0.8.1   py37hlde35cc   0   testinado   0.9.0   py37.0   py44lde35cc   0   py37.0   py37				рур
snowballstemmer         1.2.1         py37_0           sortedcollections         1.0.1         py37_0           sortedcontainers         2.1.0         py37_0           spacy         2.0.18         pypi_0         py           sphinx         1.8.2         py37_0         py           sphinxcontrib         1.0         py37_1         spy           sphinxcontrib-websupport         1.1.0         py37_1         spy           spyder         3.3.2         py37_0         spy37_0         spyder           spyder-kernels         0.3.0         py37h1d25cc_0         sqlalchemy         1.2.15         py37h1d22016_0         sympy         1.3         py37_0         statsmodels         0.9.0         py37h1d22016_0         sympy         1.3         py37_0         tatstatsmodels         0.9.0         py37h1d22016_0         py         py         py         1.3         py37_0         tatstatsmodels         0.9.0         py37h1d22016_0         py         py         py         1.3         py37_0         tatstatsmodels         0.9.0         py37_0         tatstatsubata         py         1.0         py         1.1         py37_0         tatetminado         0.8.1         py37_0         py         tatetminado         1.8<				FIP
sortedcollections         1.0.1         py37_0           sortedcontainers         2.1.0         py37_0           spacy         2.0.18         pypi_0         py           sphinx         1.8.2         py37_1         py           sphinxcontrib         1.0         py37_1         sphinxcontrib-websupport         1.1.0         py37_1           spyder-kernels         0.3.0         py37_0         sy         sylate         spy37_0           sqlalchemy         1.2.15         py37hlde35cc_0         sqlatblabe         statsmodels         0.9.0         py37hlde35cc_0           sqlalchemy         1.3         py37_0         py         py37_0         py         py37_0         py         py37_0         py         py37_0         py         py37_0         py         py         py         py37_0         py         py <td< td=""><td></td><td></td><td></td><td></td></td<>				
sortedcontainers         2.1.0         py37_0         py37_0           spacy         2.0.18         pypi_0         py           sphinx         1.8.2         py37_0         py37_0           sphinxcontrib         1.0         py37_1         spydr_0           spyder         3.3.2         py37_0         py37_1           spyder-kernels         0.3.0         py37h1de35cc_0         sqlalchemy         py37_0           sqlate         3.26.0         ha441bb4_0         statsmodels         py37_0         py37h1de25cc_0           sqlite         3.26.0         py37h1de25cc_0         ha441bb4_0         statsmodels         py37_0			<del>-</del>	
spacy         2.0.18         pypi_0         py           sphinx         1.8.2         py37_0           sphinxcontrib         1.0         py37_1           sphinxcontrib-websupport         1.1.0         py37_1           spyder         3.3.2         py37_0           spyder-kernels         0.3.0         py37hlde35cc_0           sqlalchemy         1.2.15         py37hlde35cc_0           sqlite         3.26.0         ha441bb4_0           statsmodels         0.9.0         py37hlde2016_0           sympy         1.3         py37_0           tabulate         0.8.3         py9i_0         py           tabulate         0.8.3         py9i_0         py           terminado         0.8.1         py37_1         terminado           testpath         0.4.2         py37_0         terminado           testpath         0.4.2         py37_0         py           thinc         6.12.1         pypi_0         py           tk         8.6.8         ha441bb4_0         py           tcoolz         0.9.0         py37_0         py           ttwoold         5.1.1         py37hlde35cc_0         py           twital				
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### Sphinxcontrib				PYP
sphinxcontrib-websupport         1.1.0         py37_1           spyder         3.3.2         py37_0           spyder-kernels         0.3.0         py37hlde35cc_0           sqlite         3.26.0         ha441bb4_0           statsmodels         0.9.0         py37hlde35cc_0           statsmodels         0.9.0         py37hlde35cc_0           sympy         1.3         py37_0           tabulate         0.8.3         py9i_0         py           tblib         1.3.2         py37_0           terminado         0.8.1         py37_1         terminado           testpath         0.4.2         py37_0         terminado         terminado         py37_0         terminado         py37_0         terminado         py37_0         terminado         terminado         1.3.1         py37_0         py37_0         py4         terminado         terminado         1.3.1         py37_1         py37_0         py4         terminado         1.3.1         py37_1         py37_0         py4         terminado         1.3.1         py37_1         py37_0         py37_0         py37_0         py37_0         py37_0         py37_0         py37_0         py37_0         py37_0         py4         py4         py4	-			
spyder         3.3.2         py37_0           spyder-kernels         0.3.0         py37_0           sqlalchemy         1.2.15         py37h1de35cc_0           sqlite         3.26.0         ha441bb4_0           statsmodels         0.9.0         py37h1d22016_0           sympy         1.3         py37_0           tabulate         0.8.3         py37_0           tetblib         1.3.2         py37_0           terminado         0.8.1         py37_1           testpath         0.4.2         py37_0           thinc         6.12.1         pypi_0         py           tk         8.6.8         ha441bb4_0         py           tornado         5.1.1         py37h1da55cc_0         py37_0           tornado         5.1.1         py37h28b3542_0         py           traitlets         4.3.2         py37_0         py           twyping         3.6.6         pypi_0         py           ujson         1.35         pypi_0         py           unixodbc         2.3.7         hlde35cc_0           unixodbc         2.3.7         hlde35cc_0           wexidth         0.1.7         py37_0           we	-			
spyder-kernels         0.3.0         py37_0           sqlalchemy         1.2.15         py37hlde35cc_0           sqlite         3.26.0         ha441bb4_0           statsmodels         0.9.0         py37hlde35cc_0           sympy         1.3         py37_0           tabulate         0.8.3         py9i_0         py           tblib         1.3.2         py37_0         terminado         4.8.1         py37_1         py37_0           tterminado         0.8.1         py37_1         py9i_0         py         py           thinc         6.12.1         py9i_0         py         py           twisted         8.6.8         ha441bb4_0         py				
sqlalchemy       1.2.15       py37h1de35cc_0         sqlite       3.26.0       ha441bb4_0         statsmodels       0.9.0       py37h1d22016_0         sympy       1.3       py37_0         tabulate       0.8.3       pypi_0       py         tblib       1.3.2       py37_0       py         terminado       0.8.1       py37_1       py         testpath       0.4.2       py37_0       py         thinc       6.12.1       pypi_0       py         thinc       6.12.1       pypi_0       py         tk       8.6.8       ha441bb4_0       py         tornado       5.1.1       py37h1d835cc_0       py37_0         tradm       4.28.1       py37h28b3542_0       py         traitlets       4.3.2       py37_0       py         twisted       18.9.0       pypi_0       py         typing       3.6.6       pypi_0       py         ujson       1.35       pypi_0       py         unicodecsv       0.14.1       py37_0         wewlencodings       0.5.1       py37_0         wewlencodings       0.5.1       py37_0         widgetsnbextension				
sqlite       3.26.0       ha441bb4_0         statsmodels       0.9.0       py37h1d22016_0         sympy       1.3       py37_0         tabulate       0.8.3       pypi_0       py         tblib       1.3.2       py37_0       py         terminado       0.8.1       py37_1       py         testpath       0.4.2       py37_0       py         thinc       6.12.1       pypi_0       py         tk       8.6.8       ha441bb4_0       py         toolz       0.9.0       py37_0       py         tornado       5.1.1       py37h1de35cc_0       py         traitlets       4.28.1       py37h28b3542_0       py         traitlets       4.3.2       py37_0       py         twisted       18.9.0       pypi_0       py         twisted       18.9.0       pypi_0       py         upison       1.35       pypi_0       py         upison       1.35       pypi_0       py         unixodec       2.3.7       hlde35cc_0         urllib3       1.24.1       py37_0         wewidth       0.1.7       py37_0         webencodings				
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tabulate       0.8.3       pypi_0       py         tblib       1.3.2       py37_0       py37_0         terminado       0.8.1       py37_0         testpath       0.4.2       py37_0         thinc       6.12.1       pypi_0       py         tk       8.6.8       ha441bb4_0       py         tcolz       0.9.0       py37_0       py37_0         tornado       5.1.1       py37h1de35cc_0       py         traitlets       4.3.2       py37_0       py         twisted       18.9.0       pypi_0       py         twisted       18.9.0       pypi_0       py         typing       3.6.6       pypi_0       py         ujson       1.35       pypi_0       py         unicodecsv       0.14.1       py37_0       py         unicodecsv       0.14.1       py37_0       py         unicodecsv       0.14.1       py37_0       py         wewidth       0.1.7       py37_0       py         webencodings       0.5.1       py37_0         webencodings       0.5.1       py37_0         wrapt       1.10.11       py37h1de35cc_2         w				
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wurlitzer       1.0.2       py37_0         xlrd       1.2.0       py37_0         xlsxwriter       1.1.2       py37_0         xlwings       0.15.1       py37_0         xlwt       1.3.0       py37_0         xz       5.2.4       h1de35cc_4         yaml       0.1.7       hc338f04_2         zeromq       4.2.5       h0a44026_1         zict       0.1.3       py37_0         zlib       1.2.11       h1de35cc_3         zope-interface       4.6.0       pypi_0       py				
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xlsxwriter       1.1.2       py37_0         xlwings       0.15.1       py37_0         xlwt       1.3.0       py37_0         xz       5.2.4       h1de35cc_4         yaml       0.1.7       hc338f04_2         zeromq       4.2.5       h0a44026_1         zict       0.1.3       py37_0         zlib       1.2.11       h1de35cc_3         zope-interface       4.6.0       pypi_0       py				
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x1wt     1.3.0     py37_0       xz     5.2.4     h1de35cc_4       yaml     0.1.7     hc338f04_2       zeromq     4.2.5     h0a44026_1       zict     0.1.3     py37_0       zlib     1.2.11     h1de35cc_3       zope-interface     4.6.0     pypi_0     py				
x1wt     1.3.0     py37_0       xz     5.2.4     h1de35cc_4       yaml     0.1.7     hc338f04_2       zeromq     4.2.5     h0a44026_1       zict     0.1.3     py37_0       zlib     1.2.11     h1de35cc_3       zope-interface     4.6.0     pypi_0     py	xlwings	0.15.1		
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zlib       1.2.11       h1de35cc_3         zope-interface       4.6.0       pypi_0       py	yaml	4.2.5		
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In [ ]:	