

How to read csv file

井民全, Jing, mqjing@gmail.com

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Function

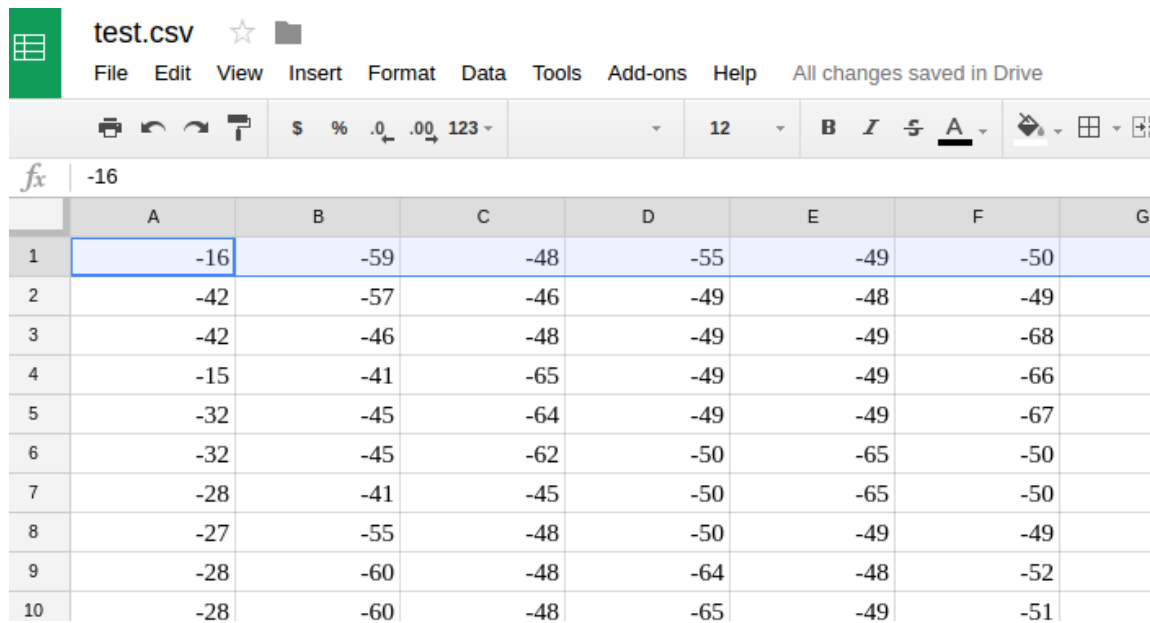
`genfromtxt(filename, delimiter)`

Code

```
#coding=utf-8

from numpy import genfromtxt
my_data = genfromtxt('my_file.csv', delimiter=',')

print(my_data)
```



	A	B	C	D	E	F	G
1	-16	-59	-48	-55	-49	-50	
2	-42	-57	-46	-49	-48	-49	
3	-42	-46	-48	-49	-49	-68	
4	-15	-41	-65	-49	-49	-66	
5	-32	-45	-64	-49	-49	-67	
6	-32	-45	-62	-50	-65	-50	
7	-28	-41	-45	-50	-65	-50	
8	-27	-55	-48	-50	-49	-49	
9	-28	-60	-48	-64	-48	-52	
10	-28	-60	-48	-65	-49	-51	

```
jing@jing-Lenovo-G510s:~/test/lab-scipy/example/ex$ ./run.sh
# Host 192.168.33.10 found: line 46 type ECDSA
/home/jing/.ssh/known_hosts updated.
Original contents retained as /home/jing/.ssh/known_hosts.old
Warning: Permanently added '192.168.33.10' (ECDSA) to the list of known hosts.
[[ -16. -59. -48. ..., -62. -62. -90.]
 [ -42. -57. -46. ..., -89. -61. -96.]
 [ -42. -46. -48. ..., -90. -84. -80.]
 ...,
 [ -28. -56. -47. ..., -82. -77. -101.]
 [ -28. -56. -60. ..., -85. -78. -100.]
 [ -42. -55. -61. ..., -60. -83. -79.]]
```

Reference

- <http://stackoverflow.com/questions/3518778/how-to-read-csv-into-record-array-in-numpy>

Other Version

```
import csv
strFullFilename='/home/jing/Normal_Split_S1_8k_0109.wav' + '.csv'

with open(strFullFilename, newline='') as csvfile:
    spamreader = csv.reader(csvfile, delimiter=',', quotechar='"')
    for row in spamreader:
        print(', '.join(row))
```

```
-7317, -6654, -5814, -4935, -4034, -3249, -2386, -1599, -903, -183, 451, 1125, 1751, 2360
1, 5073, 5931, 6963, 8171, 9415, 10996, 12585, 14349, 15925, 17365, 18381, 18982, 19030,
36, 14228, 13159, 12586, 12550, 12746, 13329, 13965, 14477, 14962, 15343, 15591, 15874, 1
2, 17079, 17617, 18075, 18621, 19021, 19346, 19549, 19790, 19975, 20092, 20241, 20330, 20
5, 20590, 20614, 20597, 20567, 20428, 20301, 20167, 19879, 19592, 19364, 19063, 18724, 18
2, 16273, 15814, 15231, 14572, 13962, 13359, 12711, 12101, 11495, 10831, 10123, 9367, 845
6, 2415, 1246, 217, -599, -1246, -1601, -1787, -1874, -1957, -2149, -2442, -2913, -3459,
37, -6714, -7261, -7674, -8137, -8620, -9152, -9750, -10317, -10978, -11629, -12208, -127
98, -14714, -15167, -15527, -15850, -16147, -16408, -16672, -16916, -17126, -17358, -1753
8, -17899, -17894, -17862, -17704, -17490, -17148, -16708, -16175, -15796, -15463, -15163
2, -15822, -16276, -16891, -17561, -18307, -18961, -19291, -19380, -18880, -18025, -16622
5, -8097, -5898, -4254, -3101, -2420, -2309, -2585, -3067, -3645, -4237, -4741, -5127, -5
0, -5444, -5534, -5642, -5963, -6396, -6792, -7285, -7639, -7816, -7906, -7810, -7421, -6
7, -3790, -2890, -2036, -1128, -359, 424, 1099, 1706, 2304, 2734, 3190, 3612, 3964, 4334,
6056, 6430, 6798, 7191, 7600, 7967, 8344, 8721, 9139, 9442, 9824, 10188, 10390, 10734, 10
2, 11501, 11707, 11752, 11802, 11804, 11767, 11710, 11640, 11526, 11441, 11307, 11121, 10
```