

### Session 3

Name: \_\_\_\_\_

#### Do Now: CSV Files

The USGS collects and provides data about observed earthquakes around the world. Below are the first couple of lines in comma-separated-values (CSV) format. In each line,

- Color the latitude **blue** (the number between the first and second commas)
- Color the longitude **green** (the number between the second and third commas), and
- Color the magnitude **red** (the number between the fourth and fifth commas).

1. time,latitude,longitude,depth,mag,magType,nst,gap,dmin,rms,net,  
id,updated,place,type,horizontalError,depthError,magError,magNs  
t,status,locationSource,magSource
2. 2017-01-17T11:48:48.530Z,5.4319,94.6079,54.55,5.6,mb,,67,2.338,  
1,us,us10007tps,2017-01-17T12:14:46.732Z,"80km W of Banda Aceh,  
Indonesia",earthquake,7.4,5.8,0.045,173,reviewed,us,us
3. 2017-01-17T10:41:14.950Z,29.6,51.497,10,4.8,mb,,122,6.247,0.97,  
us,us10007tpm,2017-01-17T11:35:39.040Z,"15km W of Kazerun,  
Iran",earthquake,9.4,1.9,0.07,63,reviewed,us,us
4. 2017-01-17T09:22:02.520Z,-56.8549,-26.0493,91.68,5.1,mb,,219,17  
.254,0.75,us,us10007tmm,2017-01-17T09:40:37.040Z,"72km ESE of  
Visokoi Island, South Georgia and the South Sandwich  
Islands",earthquake,20.9,12.9,0.108,28,reviewed,us,us
5. 2017-01-17T09:08:02.020Z,19.8621,-76.5937,11.03,5.4,mb,,28,1.39  
6,1.22,us,us10007tmh,2017-01-17T10:25:47.038Z,"43km S of Guisa,  
Cuba",earthquake,6.9,4.2,0.023,661,reviewed,us,us
6. 2017-01-17T07:46:20.450Z,22.0455,143.7031,121.76,4.7,mb,,102,5.  
214,0.69,us,us10007tm6,2017-01-17T08:04:43.040Z,"207km NW of  
Farallon de Pajaros, Northern Mariana  
Islands",earthquake,11.2,7,0.061,82,reviewed,us,us
7. 2017-01-17T01:17:48.200Z,-13.5404,166.5384,44.83,5.1,mb,,88,7.2  
96,1.21,us,us10007tl5,2017-01-17T03:06:36.040Z,"115km WNW of  
Sola, Vanuatu",earthquake,8.3,5.9,0.086,44,reviewed,us,us
8. 2017-01-16T20:47:38.290Z,-13.4817,166.4962,10,5.9,mwb,,61,7.289  
,1.18,us,us10007tjy,2017-01-16T22:53:28.114Z,"122km WNW of  
Sola, Vanuatu",earthquake,8.9,1.8,0.048,41,reviewed,us,us

Fill in the following for the first 3 observations in the file:

magnitude:\_\_\_\_\_ longitude:\_\_\_\_\_ latitude:\_\_\_\_\_

magnitude:\_\_\_\_\_ longitude:\_\_\_\_\_ latitude:\_\_\_\_\_

magnitude:\_\_\_\_\_ longitude:\_\_\_\_\_ latitude:\_\_\_\_\_