```
FileNotFoundError: File b'user_detals.csv' does not exist


In [25]:

In [25]:    =   .         'user_details.csv'          =


In [26]:   .
Out[26]:
<bound method DataFrame.info of       Sl_no        Date     ...
Crop_type        Time
0          1  01/01/2015     ...                 G.Nut  01/01/2015
1          2  01/01/2015     ...                 G.Nut  01/01/2015
2          3  01/01/2015     ...                 G.Nut  01/01/2015
3          4  01/01/2015     ...              Horsegram  01/01/2015
4          5  01/01/2015     ...              Horsegram  01/01/2015
5          7  01/01/2015     ...                 G.Nut  01/01/2015
6          8  01/01/2015     ...                 G.Nut  01/01/2015
7          9  01/01/2015     ...                 G.Nut  01/01/2015
8         10  01/01/2015     ...                 G.Nut  01/01/2015
9         11  01/01/2015     ...                 G.Nut  01/01/2015
10        12  01/01/2015     ...                 G.Nut  01/01/2015
11        13  01/01/2015     ...                 G.Nut  01/01/2015
12        14  01/01/2015     ...                 G.Nut  01/01/2015
13        15  01/01/2015     ...                 G.Nut  01/01/2015
14        16  01/01/2015     ...                 G.Nut  01/01/2015
15        17  01/01/2015     ...                 G.Nut  01/01/2015
16        18  01/01/2015     ...                 G.Nut  01/01/2015
17        19  01/01/2015     ...                 G.Nut  01/01/2015
18        20  01/01/2015     ...                 G.Nut  01/01/2015
19        21  01/01/2015     ...                 G.Nut  01/01/2015
20        22  01/01/2015     ...                 G.Nut  01/01/2015
21        23  01/01/2015     ...                 G.Nut  01/01/2015
22        24  01/01/2015     ...                 G.Nut  01/01/2015
23        25  01/01/2015     ...                 G.Nut  01/01/2015
24        26  01/01/2015     ...                 G.Nut  01/01/2015
25        27  01/01/2015     ...                 G.Nut  01/01/2015
26        28  01/01/2015     ...                 G.Nut  01/01/2015
27        29  01/01/2015     ...                 G.Nut  01/01/2015
28        47  01/01/2015     ...                 G.Nut  01/01/2015
29        48  01/01/2015     ...                 G.Nut  01/01/2015
...      ...         ...     ...                   ...         ...
4785     304  01/01/2015     ...                 Paddy  01/01/2015
4786     305  01/01/2015     ...                 Maize  01/01/2015
4787     306  01/01/2015     ...              Oil Palm  01/01/2015
4788     307  01/01/2015     ...              Oil Palm  01/01/2015
4789     308  01/01/2015     ...      Oil Palm+Banana  01/01/2015
4790     309  01/01/2015     ...                  Lime  01/01/2015
```

```
4791    310  01/01/2015     ...                Lime  01/01/2015
4792    311  01/01/2015     ...              Sandal  01/01/2015
4793    312  01/01/2015     ...               Maize  01/01/2015
4794    313  01/01/2015     ...            Oil Palm  01/01/2015
4795    314  01/01/2015     ...            Oil Palm  01/01/2015
4796    315  01/01/2015     ...        Cashew+Maize  01/01/2015
4797    316  01/01/2015     ...                Lime  01/01/2015
4798    317  01/01/2015     ...            Oil Palm  01/01/2015
4799    318  01/01/2015     ...            Oil Palm  01/01/2015
4800    319  01/01/2015     ...               Maize  01/01/2015
4801    320  01/01/2015     ...                Cane  01/01/2015
4802    321  01/01/2015     ...                 NaN  01/01/2015
4803    322  01/01/2015     ...            Oil Palm  01/01/2015
4804    323  01/01/2015     ...              Banana  01/01/2015
4805    324  01/01/2015     ...            Oil Palm  01/01/2015
4806    325  01/01/2015     ...             Brinjal  01/01/2015
4807    326  01/01/2015     ...                Lime  01/01/2015
4808    327  01/01/2015     ...                Cane  01/01/2015
4809    328  01/01/2015     ...               Maize  01/01/2015
4810    329  01/01/2015     ...            Oil Palm  01/01/2015
4811    330  01/01/2015     ...               Maize  01/01/2015
4812    331  01/01/2015     ...              Cashew  01/01/2015
4813    332  01/01/2015     ...               Maize  01/01/2015
4814    333  01/01/2015     ...               Paddy  01/01/2015

[4815 rows x 13 columns]>
```

```
In [27]:   .
Out[27]:
Index(['Sl_no', 'Date', 'Farmer_No', 'Macro/Micro_nutrient',
'Farmer_Name',
       'District', 'Mandal', 'Village', 'Survey_No',
'Soil_type',
       'Fathers_Name', 'Crop_type', 'Time'],
      dtype='object')
```

```
In [28]:   .
Out[28]:
Sl_no                   int64
Date                   object
Farmer_No              object
Macro/Micro_nutrient   object
Farmer_Name            object
District               object
Mandal                 object
Village                object
Survey_No              object
Soil_type              object
Fathers_Name           object
```

```
Crop_type               object
Time                    object
dtype: object

In [29]:   .
Out[29]:
   Sl_no        Date Farmer_No     ...     Fathers_Name
Crop_type        Time
0      1  01/01/2015      1910     ...              NaN
G.Nut  01/01/2015
1      2  01/01/2015      1911     ...              NaN
G.Nut  01/01/2015
2      3  01/01/2015      1912     ...              NaN
G.Nut  01/01/2015
3      4  01/01/2015      1913     ...              NaN
Horsegram  01/01/2015
4      5  01/01/2015      1914     ...              NaN
Horsegram  01/01/2015

[5 rows x 13 columns]

In [30]:                    =   .          'user_details.csv'
        =

In [31]:   =   .          'user_details.csv'          =


In [32]:   .
Out[32]:
<bound method DataFrame.info of       Sl_no        Date     ...
Crop_type        Time
0          1  01/01/2015     ...               G.Nut  01/01/2015
1          2  01/01/2015     ...               G.Nut  01/01/2015
2          3  01/01/2015     ...               G.Nut  01/01/2015
3          4  01/01/2015     ...            Horsegram  01/01/2015
4          5  01/01/2015     ...            Horsegram  01/01/2015
5          7  01/01/2015     ...               G.Nut  01/01/2015
6          8  01/01/2015     ...               G.Nut  01/01/2015
7          9  01/01/2015     ...               G.Nut  01/01/2015
8         10  01/01/2015     ...               G.Nut  01/01/2015
9         11  01/01/2015     ...               G.Nut  01/01/2015
10        12  01/01/2015     ...               G.Nut  01/01/2015
11        13  01/01/2015     ...               G.Nut  01/01/2015
12        14  01/01/2015     ...               G.Nut  01/01/2015
13        15  01/01/2015     ...               G.Nut  01/01/2015
14        16  01/01/2015     ...               G.Nut  01/01/2015
15        17  01/01/2015     ...               G.Nut  01/01/2015
16        18  01/01/2015     ...               G.Nut  01/01/2015
17        19  01/01/2015     ...               G.Nut  01/01/2015
```

```
18       20  01/01/2015     ...                G.Nut  01/01/2015
19       21  01/01/2015     ...                G.Nut  01/01/2015
20       22  01/01/2015     ...                G.Nut  01/01/2015
21       23  01/01/2015     ...                G.Nut  01/01/2015
22       24  01/01/2015     ...                G.Nut  01/01/2015
23       25  01/01/2015     ...                G.Nut  01/01/2015
24       26  01/01/2015     ...                G.Nut  01/01/2015
25       27  01/01/2015     ...                G.Nut  01/01/2015
26       28  01/01/2015     ...                G.Nut  01/01/2015
27       29  01/01/2015     ...                G.Nut  01/01/2015
28       47  01/01/2015     ...                G.Nut  01/01/2015
29       48  01/01/2015     ...                G.Nut  01/01/2015
...     ...         ...     ...                  ...         ...
4785    304  01/01/2015     ...                Paddy  01/01/2015
4786    305  01/01/2015     ...                Maize  01/01/2015
4787    306  01/01/2015     ...             Oil Palm  01/01/2015
4788    307  01/01/2015     ...             Oil Palm  01/01/2015
4789    308  01/01/2015     ...      Oil Palm+Banana  01/01/2015
4790    309  01/01/2015     ...                 Lime  01/01/2015
4791    310  01/01/2015     ...                 Lime  01/01/2015
4792    311  01/01/2015     ...               Sandal  01/01/2015
4793    312  01/01/2015     ...                Maize  01/01/2015
4794    313  01/01/2015     ...             Oil Palm  01/01/2015
4795    314  01/01/2015     ...             Oil Palm  01/01/2015
4796    315  01/01/2015     ...         Cashew+Maize  01/01/2015
4797    316  01/01/2015     ...                 Lime  01/01/2015
4798    317  01/01/2015     ...             Oil Palm  01/01/2015
4799    318  01/01/2015     ...             Oil Palm  01/01/2015
4800    319  01/01/2015     ...                Maize  01/01/2015
4801    320  01/01/2015     ...                 Cane  01/01/2015
4802    321  01/01/2015     ...                  NaN  01/01/2015
4803    322  01/01/2015     ...             Oil Palm  01/01/2015
4804    323  01/01/2015     ...               Banana  01/01/2015
4805    324  01/01/2015     ...             Oil Palm  01/01/2015
4806    325  01/01/2015     ...              Brinjal  01/01/2015
4807    326  01/01/2015     ...                 Lime  01/01/2015
4808    327  01/01/2015     ...                 Cane  01/01/2015
4809    328  01/01/2015     ...                Maize  01/01/2015
4810    329  01/01/2015     ...             Oil Palm  01/01/2015
4811    330  01/01/2015     ...                Maize  01/01/2015
4812    331  01/01/2015     ...               Cashew  01/01/2015
4813    332  01/01/2015     ...                Maize  01/01/2015
4814    333  01/01/2015     ...                Paddy  01/01/2015

[4815 rows x 13 columns]>

In [33]:   .
Out[33]:
Index(['Sl_no', 'Date', 'Farmer_No', 'Macro/Micro_nutrient',
```

```
'Farmer_Name',
       'District', 'Mandal', 'Village', 'Survey_No',
'Soil_type',
       'Fathers_Name', 'Crop_type', 'Time'],
      dtype='object')

In [34]:   .
Out[34]:
Sl_no                    int64
Date                    object
Farmer_No               object
Macro/Micro_nutrient    object
Farmer_Name             object
District                object
Mandal                  object
Village                 object
Survey_No               object
Soil_type               object
Fathers_Name            object
Crop_type               object
Time                    object
dtype: object

In [35]:   .
Out[35]:
   Sl_no        Date Farmer_No     ...     Fathers_Name
Crop_type        Time
0      1  01/01/2015      1910     ...              NaN
G.Nut  01/01/2015
1      2  01/01/2015      1911     ...              NaN
G.Nut  01/01/2015
2      3  01/01/2015      1912     ...              NaN
G.Nut  01/01/2015
3      4  01/01/2015      1913     ...              NaN
Horsegram  01/01/2015
4      5  01/01/2015      1914     ...              NaN
Horsegram  01/01/2015

[5 rows x 13 columns]

In [36]: import        as
    ...: import       as
    ...: import                  as

In [37]:   =   .         'new_complete_details_ap.csv'
=

In [38]:   .
Out[38]:
```

```
<bound method DataFrame.info of       Sl_no        Date     ...
Crop_type        Time
0          1  01/01/2015     ...                G.Nut  01/01/2015
1          2  01/01/2015     ...                G.Nut  01/01/2015
2          3  01/01/2015     ...                G.Nut  01/01/2015
3          4  01/01/2015     ...             Horsegram  01/01/2015
4          5  01/01/2015     ...             Horsegram  01/01/2015
5          7  01/01/2015     ...                G.Nut  01/01/2015
6          8  01/01/2015     ...                G.Nut  01/01/2015
7          9  01/01/2015     ...                G.Nut  01/01/2015
8         10  01/01/2015     ...                G.Nut  01/01/2015
9         11  01/01/2015     ...                G.Nut  01/01/2015
10        12  01/01/2015     ...                G.Nut  01/01/2015
11        13  01/01/2015     ...                G.Nut  01/01/2015
12        14  01/01/2015     ...                G.Nut  01/01/2015
13        15  01/01/2015     ...                G.Nut  01/01/2015
14        16  01/01/2015     ...                G.Nut  01/01/2015
15        17  01/01/2015     ...                G.Nut  01/01/2015
16        18  01/01/2015     ...                G.Nut  01/01/2015
17        19  01/01/2015     ...                G.Nut  01/01/2015
18        20  01/01/2015     ...                G.Nut  01/01/2015
19        21  01/01/2015     ...                G.Nut  01/01/2015
20        22  01/01/2015     ...                G.Nut  01/01/2015
21        23  01/01/2015     ...                G.Nut  01/01/2015
22        24  01/01/2015     ...                G.Nut  01/01/2015
23        25  01/01/2015     ...                G.Nut  01/01/2015
24        26  01/01/2015     ...                G.Nut  01/01/2015
25        27  01/01/2015     ...                G.Nut  01/01/2015
26        28  01/01/2015     ...                G.Nut  01/01/2015
27        29  01/01/2015     ...                G.Nut  01/01/2015
28        47  01/01/2015     ...                G.Nut  01/01/2015
29        48  01/01/2015     ...                G.Nut  01/01/2015
...      ...         ...     ...                  ...         ...
4785     304  01/01/2015     ...                Paddy  01/01/2015
4786     305  01/01/2015     ...                Maize  01/01/2015
4787     306  01/01/2015     ...             Oil Palm  01/01/2015
4788     307  01/01/2015     ...             Oil Palm  01/01/2015
4789     308  01/01/2015     ...      Oil Palm+Banana  01/01/2015
4790     309  01/01/2015     ...                 Lime  01/01/2015
4791     310  01/01/2015     ...                 Lime  01/01/2015
4792     311  01/01/2015     ...               Sandal  01/01/2015
4793     312  01/01/2015     ...                Maize  01/01/2015
4794     313  01/01/2015     ...             Oil Palm  01/01/2015
4795     314  01/01/2015     ...             Oil Palm  01/01/2015
4796     315  01/01/2015     ...         Cashew+Maize  01/01/2015
4797     316  01/01/2015     ...                 Lime  01/01/2015
4798     317  01/01/2015     ...             Oil Palm  01/01/2015
4799     318  01/01/2015     ...             Oil Palm  01/01/2015
4800     319  01/01/2015     ...                Maize  01/01/2015
```

```
4801    320  01/01/2015     ...                Cane  01/01/2015
4802    321  01/01/2015     ...                 NaN  01/01/2015
4803    322  01/01/2015     ...            Oil Palm  01/01/2015
4804    323  01/01/2015     ...              Banana  01/01/2015
4805    324  01/01/2015     ...            Oil Palm  01/01/2015
4806    325  01/01/2015     ...             Brinjal  01/01/2015
4807    326  01/01/2015     ...                Lime  01/01/2015
4808    327  01/01/2015     ...                Cane  01/01/2015
4809    328  01/01/2015     ...               Maize  01/01/2015
4810    329  01/01/2015     ...            Oil Palm  01/01/2015
4811    330  01/01/2015     ...               Maize  01/01/2015
4812    331  01/01/2015     ...              Cashew  01/01/2015
4813    332  01/01/2015     ...               Maize  01/01/2015
4814    333  01/01/2015     ...               Paddy  01/01/2015

[4815 rows x 13 columns]>

In [39]:    .
Out[39]:
Index(['Sl_no', 'Date', 'Farmer_No', 'Macro/Micro_nutrient',
'Farmer_Name',
       'District', 'Mandal', 'Village', 'Survey_No',
'Soil_type',
       'Fathers_Name', 'Crop_type', 'Time'],
      dtype='object')

In [40]:    .
Out[40]:
Sl_no                   int64
Date                   object
Farmer_No              object
Macro/Micro_nutrient   object
Farmer_Name            object
District               object
Mandal                 object
Village                object
Survey_No              object
Soil_type              object
Fathers_Name           object
Crop_type              object
Time                   object
dtype: object

In [41]: import        as
    ...: import       as
    ...: import                  as

In [42]:    =   .         'new_complete_details_ap.csv'
Traceback (most recent call last):
```

```
  File "<ipython-input-42-ecff2d337b6b>", line 1, in <module>
    df = pd.read_csv('new_complete_details_ap.csv')

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 678, in parser_f
    return _read(filepath_or_buffer, kwds)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 440, in _read
    parser = TextFileReader(filepath_or_buffer, **kwds)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 787, in __init__
    self._make_engine(self.engine)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 1014, in _make_engine
    self._engine = CParserWrapper(self.f, **self.options)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 1708, in __init__
    self._reader = parsers.TextReader(src, **kwds)

  File "pandas/_libs/parsers.pyx", line 384, in
pandas._libs.parsers.TextReader.__cinit__

  File "pandas/_libs/parsers.pyx", line 695, in
pandas._libs.parsers.TextReader._setup_parser_source

FileNotFoundError: File b'new_complete_details_ap.csv' does not
exist


In [43]:

In [43]:    =   .          'new_complete_details_ap.csv'
Traceback (most recent call last):

  File "<ipython-input-43-ecff2d337b6b>", line 1, in <module>
    df = pd.read_csv('new_complete_details_ap.csv')

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 678, in parser_f
    return _read(filepath_or_buffer, kwds)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 440, in _read
    parser = TextFileReader(filepath_or_buffer, **kwds)
```

```
  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 787, in __init__
    self._make_engine(self.engine)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 1014, in _make_engine
    self._engine = CParserWrapper(self.f, **self.options)

  File "/home/gaurav/anaconda3/lib/python3.6/site-packages/
pandas/io/parsers.py", line 1708, in __init__
    self._reader = parsers.TextReader(src, **kwds)

  File "pandas/_libs/parsers.pyx", line 384, in
pandas._libs.parsers.TextReader.__cinit__

  File "pandas/_libs/parsers.pyx", line 695, in
pandas._libs.parsers.TextReader._setup_parser_source

FileNotFoundError: File b'new_complete_details_ap.csv' does not
exist


In [44]:

In [44]:    =   .         'new_complete_details_ap.csv'

In [45]:   .
Out[45]:
<bound method DataFrame.info of       Sl_no        Date
Farmer_No     ...     Avail_Cu Avail_Mn        Time
0         1  01/01/2015      1910     ...         0.51    15.24
01/01/2015
1         2  01/01/2015      1911     ...         0.44     6.90
01/01/2015
2         3  01/01/2015      1912     ...         0.42     8.34
01/01/2015
3         4  01/01/2015      1913     ...         0.67     4.17
01/01/2015
4         5  01/01/2015      1914     ...         0.45     9.20
01/01/2015
5         7  01/01/2015      1916     ...         0.64     4.41
01/01/2015
6         8  01/01/2015      1917     ...         0.56    17.07
01/01/2015
7         9  01/01/2015      1918     ...         0.60    17.39
01/01/2015
8        10  01/01/2015      1919     ...         0.58     7.64
01/01/2015
```

```
9        11  01/01/2015      1920     ...          0.82     5.71
01/01/2015
10       12  01/01/2015      1921     ...          0.47     6.81
01/01/2015
11       13  01/01/2015      1922     ...          0.56     4.44
01/01/2015
12       14  01/01/2015      1923     ...          0.61    10.05
01/01/2015
13       15  01/01/2015      1924     ...          0.89     7.55
01/01/2015
14       16  01/01/2015      1925     ...          0.70    23.15
01/01/2015
15       17  01/01/2015      1927     ...          0.53     5.81
01/01/2015
16       18  01/01/2015      1928     ...          0.76    29.67
01/01/2015
17       19  01/01/2015      1929     ...          0.53    10.32
01/01/2015
18       20  01/01/2015      1930     ...          1.57    18.78
01/01/2015
19       21  01/01/2015      1931     ...          0.50    10.34
01/01/2015
20       22  01/01/2015      1932     ...          0.54     9.22
01/01/2015
21       23  01/01/2015      1933     ...          0.63     6.04
01/01/2015
22       24  01/01/2015      1934     ...          0.45     6.29
01/01/2015
23       25  01/01/2015      1935     ...          0.78    11.86
01/01/2015
24       26  01/01/2015      1937     ...          0.35    13.23
01/01/2015
25       27  01/01/2015      1938     ...          0.82     3.56
01/01/2015
26       28  01/01/2015      1939     ...          0.85     5.26
01/01/2015
27       29  01/01/2015      1940     ...          0.81     9.03
01/01/2015
28       47  01/01/2015      1821     ...          0.36     3.29
01/01/2015
29       48  01/01/2015      1822     ...          0.41    14.88
01/01/2015
...     ...         ...       ...     ...           ...      ...
...
4785    304  01/01/2015      6726     ...          1.84     8.74
01/01/2015
4786    305  01/01/2015      6727     ...          1.29    13.61
01/01/2015
4787    306  01/01/2015      6728     ...          1.30    10.62
```

01/01/2015
4788   307 01/01/2015   6729   ...   1.33   7.23
01/01/2015
4789   308 01/01/2015   6730   ...   1.26   3.26
01/01/2015
4790   309 01/01/2015   6731   ...   1.88   18.35
01/01/2015
4791   310 01/01/2015   6732   ...   0.76   23.76
01/01/2015
4792   311 01/01/2015   6733   ...   0.75   7.26
01/01/2015
4793   312 01/01/2015   6734   ...   1.99   16.21
01/01/2015
4794   313 01/01/2015   6735   ...   0.81   7.69
01/01/2015
4795   314 01/01/2015   6736   ...   1.26   32.96
01/01/2015
4796   315 01/01/2015   6737   ...   0.47   5.26
01/01/2015
4797   316 01/01/2015   6738   ...   0.51   7.89
01/01/2015
4798   317 01/01/2015   6739   ...   0.81   24.52
01/01/2015
4799   318 01/01/2015   6740   ...   3.97   23.47
01/01/2015
4800   319 01/01/2015   6741   ...   1.34   7.84
01/01/2015
4801   320 01/01/2015   6742   ...   2.39   18.37
01/01/2015
4802   321 01/01/2015   6743   ...   1.15   6.47
01/01/2015
4803   322 01/01/2015   6744   ...   0.78   15.45
01/01/2015
4804   323 01/01/2015   6745   ...   0.63   12.78
01/01/2015
4805   324 01/01/2015   6746   ...   1.43   7.91
01/01/2015
4806   325 01/01/2015   6747   ...   0.86   20.70
01/01/2015
4807   326 01/01/2015   6748   ...   1.04   21.79
01/01/2015
4808   327 01/01/2015   6749   ...   1.89   13.02
01/01/2015
4809   328 01/01/2015   6750   ...   1.06   6.77
01/01/2015
4810   329 01/01/2015   6751   ...   1.29   14.57
01/01/2015
4811   330 01/01/2015   6752   ...   0.62   36.19
01/01/2015

```
4812    331  01/01/2015      6753     ...         3.33    15.95
01/01/2015
4813    332  01/01/2015      6754     ...         1.08    14.59
01/01/2015
4814    333  01/01/2015      6755     ...         1.76     8.75
01/01/2015

[4815 rows x 29 columns]>

In [46]:   .
Out[46]:
Index(['Sl_no', 'Date', 'Farmer_No', 'Macro/Micro_nutrient',
'Farmer_Name',
       'District', 'Mandal', 'Village', 'Latitude', 'Longitude',
'Survey_No',
       'Soil_type', 'Fathers_Name', 'Extent_AC', 'Crop_type',
'pH', 'EC', 'OC',
       'Avail_P', 'Exch_K', 'Avail_Ca', 'Avail_Mg', 'Avail_S',
'Avail_Zn',
       'Avail_B', 'Avail_Fe', 'Avail_Cu', 'Avail_Mn', 'Time'],
      dtype='object')

In [47]:   .
    ...:   .
Out[47]:
   Sl_no        Date Farmer_No     ...     Avail_Cu Avail_Mn
Time
0      1  01/01/2015      1910     ...         0.51    15.24
01/01/2015
1      2  01/01/2015      1911     ...         0.44     6.90
01/01/2015
2      3  01/01/2015      1912     ...         0.42     8.34
01/01/2015
3      4  01/01/2015      1913     ...         0.67     4.17
01/01/2015
4      5  01/01/2015      1914     ...         0.45     9.20
01/01/2015

[5 rows x 29 columns]

In [48]:   .
Out[48]:
Sl_no                   int64
Date                   object
Farmer_No              object
Macro/Micro_nutrient   object
Farmer_Name            object
District               object
Mandal                 object
```

```
Village                 object
Latitude               float64
Longitude              float64
Survey_No               object
Soil_type               object
Fathers_Name            object
Extent_AC               object
Crop_type               object
pH                     float64
EC                     float64
OC                     float64
Avail_P                float64
Exch_K                   int64
Avail_Ca                 int64
Avail_Mg                 int64
Avail_S                float64
Avail_Zn               float64
Avail_B                float64
Avail_Fe               float64
Avail_Cu               float64
Avail_Mn               float64
Time                    object
dtype: object
```

In [49]: