

pandas

October 17, 2019

```
[1]: import pandas as pd
      csv_path="https://people.sc.fsu.edu/~jburkardt/data/csv/airtravel.csv"
      df=pd.read_csv(csv_path)
      df.head()
```

```
[1]:   Month  "1958"  "1959"  "1960"
      0   JAN      340      360      417
      1   FEB      318      342      391
      2   MAR      362      406      419
      3   APR      348      396      461
      4   MAY      363      420      472
```

```
[6]: x=df[["Month"]]
```

```
[7]: x
```

```
[7]:   Month
      0   JAN
      1   FEB
      2   MAR
      3   APR
      4   MAY
      5   JUN
      6   JUL
      7   AUG
      8   SEP
      9   OCT
     10  NOV
     11  DEC
```

```
[8]: df.ix[0,0]
```

```
/home/jupyterlab/conda/envs/python/lib/python3.6/site-
packages/ipykernel_launcher.py:1: FutureWarning:
.ix is deprecated. Please use
.loc for label based indexing or
.iloc for positional indexing
```

See the documentation here:

http://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#ix-indexer-is-deprecated

```
"""Entry point for launching an IPython kernel.
/home/jupyterlab/conda/envs/python/lib/python3.6/site-
packages/pandas/core/indexing.py:961: FutureWarning:
.ix is deprecated. Please use
.loc for label based indexing or
.iloc for positional indexing
```

See the documentation here:

http://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#ix-indexer-is-deprecated

```
return getattr(section, self.name)[new_key]
```

[8]: 'JAN'

[9]: `df.ix[0:2,0:4]`

```
/home/jupyterlab/conda/envs/python/lib/python3.6/site-
packages/ipykernel_launcher.py:1: FutureWarning:
.ix is deprecated. Please use
.loc for label based indexing or
.iloc for positional indexing
```

See the documentation here:

http://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#ix-indexer-is-deprecated

```
"""Entry point for launching an IPython kernel.
/home/jupyterlab/conda/envs/python/lib/python3.6/site-
packages/pandas/core/indexing.py:822: FutureWarning:
.ix is deprecated. Please use
.loc for label based indexing or
.iloc for positional indexing
```

See the documentation here:

http://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#ix-indexer-is-deprecated

```
retval = getattr(retval, self.name)._getitem_axis(key, axis=i)
```

```
[9]:   Month   "1958"   "1959"   "1960"
      0   JAN     340     360     417
      1   FEB     318     342     391
      2   MAR     362     406     419
```

[]: