```
              close       volume        market  close_ratio  spread
date
2018-01-01  13657.2  10291200000  236725000000       0.5248   957.5
2018-01-02  14982.1  16846600000  228579000000       0.7972  2281.0
2018-01-03  15201.0  16871900000  251312000000       0.4895   728.3
2018-01-04  15599.2  21783200000  256250000000       0.8846  1217.5
2018-01-05  17429.5  23840900000  259748000000       0.8898  2502.4
```

Select a Year

Let's select a particular year from a DataFrame.

```
# select a particular year
data['2018'].head()
'Output':
               slug symbol     name  ranknow     open     high  low  \
date
2018-01-01  bitcoin    BTC  Bitcoin        1  14112.2  14112.2  13154.7
2018-01-02  bitcoin    BTC  Bitcoin        1  13625.0  15444.6  13163.6
2018-01-03  bitcoin    BTC  Bitcoin        1  14978.2  15572.8  14844.5
2018-01-04  bitcoin    BTC  Bitcoin        1  15270.7  15739.7  14522.2
2018-01-05  bitcoin    BTC  Bitcoin        1  15477.2  17705.2  15202.8

              close       volume        market  close_ratio  spread
date
2018-01-01  13657.2  10291200000  236725000000       0.5248   957.5
2018-01-02  14982.1  16846600000  228579000000       0.7972  2281.0
2018-01-03  15201.0  16871900000  251312000000       0.4895   728.3
2018-01-04  15599.2  21783200000  256250000000       0.8846  1217.5
2018-01-05  17429.5  23840900000  259748000000       0.8898  2502.4
```

Subset Data Columns and Find Summaries

Get the closing prices of Bitcoin stocks for the month of January.

```
data.loc[data.slug == 'bitcoin', 'close']['2018-01']
'Output':
date
2018-01-01    13657.2
2018-01-02    14982.1
2018-01-03    15201.0
2018-01-04    15599.2
2018-01-05    17429.5
2018-01-06    17527.0
2018-01-07    16477.6
2018-01-08    15170.1
2018-01-09    14595.4
2018-01-10    14973.3
```

Find the mean market value of Ethereum for the month of January.

```
data.loc[data.slug == 'ethereum', 'market']['2018-01'].mean()
'Output':
96739480000.0
```

Resampling Datetime Objects

A Pandas DataFrame with an index of **DatetimeIndex**, **PeriodIndex**, or **TimedeltaIndex** can be resampled to any of the date time frequencies from seconds, to minutes, to months. Let's see some examples.

Let's get the average monthly closing values for Litecoin.

```
data.loc[data.slug == 'bitcoin', 'close'].resample('M').mean().head()
'Output':
date
2013-04-30    139.250000
2013-05-31    119.993226
2013-06-30    107.761333
2013-07-31     90.512258
2013-08-31    113.905161
Freq: M, Name: close, dtype: float64
```