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rEADIG THE FILES USING READTABLE AND TIMETABLE

```
ee1 = readtable('FRED-CP.csv');
ee1 = table2timetable(ee1);
ee2 = readtable('FRED-UNRATE.csv');
ee2 = table2timetable(ee2);
```

SYNCHRONIZING THE DATA

```
ee = synchronize(ee1,ee2);
```

USING TIME RANGE FOR SPECIFY TIME PERIOD

```
R1 = timerange('2016-10-01','2017-10-01')
```

```
R1 =

 timetable <a href="matlab:doc('timerange')">timerange</a> subscript:

  Select timetable rows with times in the half-open interval:
  [01-Oct-2016 00:00:00, 01-Oct-2017 00:00:00)

 See <a
 href="matlab:helpview(fullfile(docroot,'matlab','matlab_prog','subscript-
into-times-of-timetable.html'))">Select Timetable Data by Row Time and
 Variable Type.</a>
```

USING RETIME FUNCTION TO MAKE THE VECTOR LENGTHS EQUAL

```
ee1_1 = retime(ee1,ee2.Properties.RowTimes);
```

HERE WE USE ISNAN FOR GETTING NAN VALUES

```
idx = isnan(ee1_1.Value(R1,:)) | isnan(ee2.Value(R1,:))
```

```
idx =

  12×1 logical array

   1
   1
   0
   1
   1
   0
   1
   1
   0
   1
   1
   0
```

CORRELATION COEFFICIENT

```
eee1 = corrcoef( ee1_1.Value(R1,:), ee2.Value(R1,:))
```

```
eee1 =

   NaN   NaN
   NaN     1
```

Published with MATLAB® R2018b