- From Wiki:
- "The **Portable Operating System Interface** (**POSIX**)^[1] is a family of <u>standards</u> specified by the <u>IEEE Computer Society</u> for maintaining compatibility between <u>operating systems</u>."

- Date/time in R are stored in POSIX date classes
 - Stores time to the nearest second
 - More accurate representation

- Two POSIX date/time classes
 - POSIXct
 - POSIXIt
- POSIXct
 - Internally stores as numeric
 - Date/time as the # of days since Jan 1, 1970
- POSIXIt
 - Stores as list
 - Second, minute, hour, day, month, year among others

- R default choice is POSIXct
- Example POSIX date/time inputs
 - 1915/6/16
 - 2005-06-24 11:25
 - 1990/2/17 12:20:05

Convertion

 If the input times correspond to one of the previous date/time formats, you can use

as.POSIXct directly

```
dts = c("2005-10-21 18:47:22","2005-12-24 16:39:58",
+ "2005-10-28 07:30:05 PDT")
as.POSIXIt(dts)
```

- Two important functions
 - strptime (for inputting dates) and strftime (for formatting dates as outputs)
- mydate = strptime('16/Oct/2005:07:51:00',format='%d/%b/%Y:%H:%M:%S')

- Most of this page examples were gleaned from
 - https://www.stat.berkeley.edu/~s133/dates.html