

### 0.0.1 Timeunit To Number of Seconds

the  $timeunit \rightarrow seconds$  operation accepts the following arguments

- A string Scalar of
  - second
  - minute
  - hour
  - day
  - week
  - month
  - year

and returns the corresponding number of seconds such that

$$timeunit \rightarrow seconds(timeunit) = \mathbb{R}$$

Where the following is the enumeration of  $timeunit \rightarrow seconds(timeunit)$

$$timeunit \rightarrow seconds(second) = 1$$

$$timeunit \rightarrow seconds(minute) = 60$$

$$timeunit \rightarrow seconds(hour) = 3600$$

$$timeunit \rightarrow seconds(day) = 86400$$

$$timeunit \rightarrow seconds(week) = 604800$$

$$timeunit \rightarrow seconds(month) = 2629743$$

$$timeunit \rightarrow seconds(year) = 31556926$$