

# Package ‘SASdates’

January 20, 2025

**Type** Package

**Title** Convert the Dates to 'SAS' Formats

**Version** 0.1.0

**Description** Converts the dates to different 'SAS' date formats. In 'SAS' dates are a special case of numeric values. Each day is assigned a specific numeric value, starting from January 1, 1960. This date is assigned the date value 0, and the next date has a date value of 1 and so on. The previous days to this date are represented by -1 , -2 and so on. With this approach, 'SAS' can represent any date in the future or any date in the past. There are many date formats used in 'SAS' to represent date-time. Here, we try to develop functions which will convert the date to different 'SAS' date formats.

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**Language** en-US

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**NeedsCompilation** no

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## Contents

date11 . . . . .	2
date9 . . . . .	2
ddmmyy10 . . . . .	3
ddmmyy8 . . . . .	3
iso8601da . . . . .	4
iso8601dt . . . . .	4
num_date . . . . .	5

<b>Index</b>	<b>6</b>
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date11                      *Convert date to Date11. format*

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**Description**

Convert date to Date11. format

**Usage**

date11(date, informat)

**Arguments**

date	Input date
informat	Input date format

**Value**

Date to Date11. format

**Examples**

```
date11(date = "19-10-1994",informat = "%d-%m-%Y")
```

---

date9                      *Convert date to Date9. format*

---

**Description**

Convert date to Date9. format

**Usage**

date9(date, informat)

**Arguments**

date	Input date
informat	Input date format

**Value**

Date to Date9. format\

**Examples**

```
date9(date = "19-10-1994",informat = "%d-%m-%Y")
```

---

ddmmyy10                      *Convert date to ddmmyy10. format*

---

**Description**

Convert date to ddmmyy10. format

**Usage**

```
ddmmyy10(date, informat)
```

**Arguments**

date	Input date
informat	Input date format

**Value**

Date to ddmmyy10. format

**Examples**

```
ddmmyy10(date = "19-10-1994",informat = "%d-%m-%Y")
```

---

ddmmyy8                      *Convert date to ddmmyy10. format*

---

**Description**

Convert date to ddmmyy10. format

**Usage**

```
ddmmyy8(date, informat)
```

**Arguments**

date	Input date
informat	Input date format

**Value**

Date to ddmmyy10. format

**Examples**

```
ddmmyy8(date = "19-10-1994",informat = "%d-%m-%Y")
```

---

iso8601da                      *Convert date to ISO8601 format*

---

**Description**

Convert date to ISO8601 format

**Usage**

```
iso8601da(date, informat)
```

**Arguments**

date	Input date
informat	Input date format

**Value**

Date to ISO8601da. format

**Examples**

```
iso8601da(date = "19-10-1994",informat = "%d-%m-%Y")
```

---

iso8601dt                      *Convert date and time to ISO8601 format*

---

**Description**

Convert date and time to ISO8601 format

**Usage**

```
iso8601dt(date, time, informat)
```

**Arguments**

date	Input date
time	Input time
informat	Input date format

**Value**

Date and time in ISO8601 format

**Examples**

```
iso8601dt(date = "19-10-1994",time = "10:10",informat = "%Y-%m-%d %H:%M")
```

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num_date	<i>Convert SAS Numeric date values to Date</i>
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**Description**

Convert SAS Numeric date values to Date

**Usage**

num\_date(date)

**Arguments**

date                    numeric date

**Value**

SAS date

**Examples**

num\_date(20562)

# Index

date11, [2](#)

date9, [2](#)

ddmmyy10, [3](#)

ddmmyy8, [3](#)

iso8601da, [4](#)

iso8601dt, [4](#)

num\_date, [5](#)