

Slide 1: Date and Time String Examples

Date and Time String Examples

Sadie St. Lawrence, MSA
Data Scientist, VSP

UC DAVIS
EXTENSION

Slide 2: Learning Objectives

Learning Objectives

Use the STRFTIME function

Compute current date and use it to
compare to a recorded date in your data

Use the NOW function

Combine several date and time functions
together to manipulate data

Slide 3: Example

Example

	Birthdate	Year	Month	Day
1	1962-02-18 00:00:00	1962	02	18
2	1958-12-08 00:00:00	1958	12	08
3	1973-08-29 00:00:00	1973	08	29
4	1947-09-19 00:00:00	1947	09	19
5	1965-03-03 00:00:00	1965	03	03
6	1973-07-01 00:00:00	1973	07	01
7	1970-05-29 00:00:00	1970	05	29
8	1968-01-09 00:00:00	1968	01	09

```
SELECT Birthdate
,STRFTIME('%Y', Birthdate) AS Year
,STRFTIME('%m', Birthdate) AS Month
,STRFTIME('%d', Birthdate) AS Day
FROM employees
```

Slide 4: Compute Current Date

Compute Current Date

```
SELECT DATE('now')
```

Slide 5: Compute Year, Month, and Date for the Current Date

Compute Year, Month and Day for the Current Date

```
SELECT STRFTIME('%Y %m %d', 'now')
```

Slide 6: Compute the Hour, Minute and Second and Milliseconds from Current DATETIME

Compute the Hour, Minute and Second and Milliseconds from Current DATETIME

```
SELECT STRFTIME('%H %M %S %s','now');
```

Slide 7: Compute Age Using Birthdate

Compute Age Using Birthdate

	Birthdate	Year	Month	Day	Aqe
1	1962-02-18 00:00:00	1962	02	18	55
2	1958-12-08 00:00:00	1958	12	08	59
3	1973-08-29 00:00:00	1973	08	29	44
4	1947-09-19 00:00:00	1947	09	19	70
5	1965-03-03 00:00:00	1965	03	03	52
6	1973-07-01 00:00:00	1973	07	01	44
7	1970-05-29 00:00:00	1970	05	29	47
8	1968-01-09 00:00:00	1968	01	09	49

```
SELECT Birthdate
,STRFTIME('%Y', Birthdate) AS Year
,STRFTIME('%m', Birthdate) AS Month
,STRFTIME('%d', Birthdate) AS Day
,(DATE('now') - Birthdate) AS Age
FROM employees
```