

# Date Normalization

## Date normalization

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Specification:	<a href="#">datenorm_documentation.doc</a>
Download:	<a href="#">datenorm.jar</a>
More information:	<a href="#">Curation home page</a>

This date normalization package was developed as part of the [American West](#) project.

## Date Normalization Utility

This Java utility takes non-machine readable Common Era dates as input and outputs machine-readable dates in order to enhance digital collections to support date range queries. The output is compliant with the [TEMPER \(Temporal Enumerated Ranges\)](#) specification.

Note that this code is unsupported by CDL; use at your own risk.

## Description

[datenorm.jar](#) contains all of the necessary Java source and JAR files to produce a working date normalizer.

The date normalization was developed to create a standardized Common Era (CE) date range in the form year1,year2,year3-year4,year5-year6, year1 and year2 are individual years while year3-year4 and year5-year6 are year ranges.

Input	Outputs
[1880's]	<b>date.normalize:</b> 1880-1889 <b>date.temper:</b> 1880-1889 <b>date.decade:</b> 1880 <b>date.token:</b> 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889

For a detailed description of the algorithm, inputs and outputs, consult the August 2005 draft of the specification.

[datenorm\\_documentation.doc](#)

## Requirements

datenorm.jar requires Java 1.4 and Apache Ant in order to run.

## Installation

1. Create a directory.
2. Download [datenorm.jar](#) to the new directory.
3. Unpack the JAR by issuing the command: `jar -xvf datenorm.jar`

## Running the Utility

Within the newly expanded ant directory, execute the following command: `ant run-date`

As packaged, `resources/FrameworkLocal.properties` is set to accept `data/example-date.txt` (a file that only has dates) as input. Changing

DateTest.type=datetoDateTest.type=text will tell the Ant script to expect input at data/example-text.txt (a file of text with dates inside).

Output is directed to SYSOUT.