



TabulaX - Data Transformation

Upload your source and target files. Write your logic. Then test it on an input!

Upload Source File

Drag & drop your CSV/XLSX file here, or click to select

source.csv

Upload Target File

Drag & drop your CSV/XLSX file here, or click to select

target.csv

Select Source Column

Gregorian

Select Target Column

Hijri

Source Samples 5

Search...

Value	Actions
01-01-2015	Copy
20-04-2013	Copy
20-11-2011	Copy
02-05-2024	Copy
08-12-2015	Copy

Target Samples 5

Search...

Value	Actions
10-03-1436	Copy
09-06-1434	Copy
23-12-1432	Copy
22-10-1445	Copy
25-02-1437	Copy

Python Transformation Editor

Function Type: Algorithmic

```

1 def gregorian_to_islamic(gregorian_date):
2     day, month, year = map(int, gregorian_date.split('-'))
3     jd = (int((1461 * (year + 4800 + int((month - 14) / 12)))) / 4) +
4         int((367 * (month - 2 - 12 * (int((month - 14) / 12)))) / 12) -
5         int((3 * (int((year + 4900 + int((month - 14) / 12)) / 100)) / 4)) +
6         day - 32075
7     l = jd - 1948440 + 10632
8     n = int((l - 1) / 10631)
9     l = l - 10631 * n + 354
10    j = (int((19985 - 1) / 5316)) * (int((58 * 1) / 17719)) + (int(l / 5670)) * (int((43 * 1) / 15238))
11    l = l - (int((30 - j) / 15)) * (int((17719 * j) / 50)) - (int(j / 16)) * (int((15238 * j) / 43)) + 29
12    month = int((24 * 1) / 709)
13    day = l - int((709 * month) / 24)
14    year = n * 30 + j - 30
15    return f'{day:02}-{month:02}-{year}'

```

Edit Copy

Python Function Tester Console

> Enter input to test

Run

Choose Your Data Source

Upload File

Connect to Database

Upload Input File

Drag & drop your CSV/XLSX file here, or click to select

input.csv

Select Input Column
Gregorian

Input Samples 5

Search...

Value	Actions
15-01-2025	Copy
30-03-2025	Copy
10-07-2025	Copy
12-10-2025	Copy
05-11-2023	Copy

Apply Transformation

Transformation successfully applied to **Gregorian!**

Transformed Data Table

Showing table with transformed values for column **Gregorian**

Download CSV

15-07-1446
30-09-1446
14-01-1447
19-04-1447
21-04-1445
19-07-1436
12-01-1446
05-03-1446
16-06-1446
21-08-1444
None

Transformation Results

Success! Your transformation has been applied. The table below shows both the original and transformed data.

14-01-1447
19-04-1447
21-04-1445
19-07-1436
12-01-1446
05-03-1446
16-06-1446
21-08-1444
None

How to use this demo

1. Upload your source and target samples
2. Select one column each from source and target
3. Write transformation code
4. Choose your data source:
 - Upload a file and select input column, or
 - Connect to a database and select table and column



AI-powered table transformation tool that
converts your data seamlessly.



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