

UltraQuery Documentation



Release Info

<i>Version</i>	v0.0.9
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<i>Release Date</i>	27-07-2025
<i>Updates</i>	<ul style="list-style-type: none">• Dataframes from SQL databases
<i>Github</i>	https://github.com/krishna-agarwal44546/UltraQuery/
<i>PyPI</i>	https://pypi.org/project/UltraQuery/

Overview

<i>Product Details</i>	UltraQuery is a fast and lightweight Python module + CLI tool for: <ul style="list-style-type: none">• Reading .csv, .txt, and .sqlite files• Viewing data or building DataFrame-like structures• Plotting directly from terminal using CLI flags• Powered by a custom C++ engine for high performance
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Installation

```
pip install UltraQuery
```

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Python Usage

```
from ultraquery import UltraQuery

uq = UltraQuery.UltraQuery()

uq.viewdata("cars.csv", limit=20)

uq.df("cars.csv", limit=100)

uq.plot("cars.csv", xcol="year", ycol="price", graph_type="line")
```

CLI Usage

```
ultraquery -f cars.csv -l 50 -df

ultraquery -f cars.csv -l 100 -plt -x year -y price -typ line
```

CLI Flags

- -f: Path to CSV/SQL file
- -df: Show data as a table
- -l: Limit number of rows to load
- -plt: Enable graph plotting-
- -x: Set X-axis column
- -y: Set Y-axis column
- -typ: Type of plot (bar, pie, etc.)
- -sql: Enable SQLite mode-

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- table: Specify SQLite table
- col: View column list
- vc: View raw column data

Available Functions

- viewcolumn(file): List columns from a CSV
- viewdata(file, n): Display top n rows
- df(file, n): Load data into custom frame structure
- viewsql(file, table, n): Load rows from SQLite table
- plot(file, x, y, typ): Plot the selected columns

Supported plot types: bar, line, scatter, pie, histogram

Example

```
ultraquery -f sales.csv -l 100 -plt -x month -y revenue -typ bar
```

Features

- fast CSV reading via C++ engine
- Native Python class interface
- CLI for quick data exploration
- Easy-to-use plotting with matplotlib
- SQLite table reading support

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Engine Details

- Uses native shared library (engine.dll / engine.so)
- Loaded via ctypes
- Engine functions: readcsv, columnsget, getdata, dataframe

Contributors

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