

tds-csv — User Guide

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Contents

1	tds-csv	2
1.1	Installation	2
1.2	Usage	2
1.2.1	Show the top 10 rows	2
1.2.2	Sort by a specific column	2
1.3	How It Works	2
1.4	Architecture	2
1.5	License	2

1 tds-csv

tds-csv is a tiny CLI for quickly exploring CSV files. Built for the *Tools in Data Science* course at IIT Madras, May 2026.

1.1 Installation

```
uvx tds-csv-kasim --help
```

Or install globally:

```
uv tool install tds-csv-kasim
tds-csv --help
```

1.2 Usage

1.2.1 Show the top 10 rows

```
tds-csv sample.csv
```

1.2.2 Sort by a specific column

```
tds-csv sample.csv --by population --top 5
```

1.3 How It Works

The tool:

1. Reads the CSV with `pandas.read_csv`.
2. Sorts by the chosen column (defaulting to the first column).
3. Takes the top N rows.
4. Renders them with `rich` as a Unicode table.

1.4 Architecture

The formula for text-to-digital transformation in our case is:

```
output = Render(SortBy_col(Read(csv))[:N])
```

1.5 License

MIT — see the [LICENSE](#) file.