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Live Histogram Command-Line Tool

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README.md

Live Histogram

A command line tool to show a real-time histogram of a data stream.

Usage

The tool reads lines from the stdin. Every line is considered a symbol.

Example:

```
python3 -c 'import random; [print(random.choice("ACABACAAABAABC")) for x in range(10000)]' | livehist
```

Sample output:

```
5595 :: A
2210 :: B
2195 :: C
```

Options

Parameter	Description
--separator=SEPARATOR / -s SEPARATOR	Set the seperator between symbol and count (default: " :: ")
--number=NUMBER / -n NUMBER	Display only top NUMBER entries (default: all)
--no-clear / -c	Disable screen clear
--reverse / -r	Short ascending
--percent / -p	Show frequency as percentage
--draw / -d	Draw bar for visualization
--interval=SECONDS / -i SECONDS	Refresh interval (default: 0)
--switch / -x	Show count first, then value
--help / -h	Show the help
--outfile=FILE / -o FILE	Output latest histogram to file FILE.
--atomic / -a	On Ctrl+C, application finishes printing the histogram.

Compile

There are no dependencies on third-party libraries. To compile, simply run

```
make
```

Install

After building, simply run

```
sudo make install
```

The binary (livehist) is installed to /usr/bin/livehist . Run `sudo make uninstall` to remove the application.

