# A VisiData Cheat Sheet

| | |
|---|---|
| Version | VisiData v2.6 |
| Updated | 2021-09-23 |
| More info | visidata.org<br>jsvine.github.io/intro-to-visidata |

## Getting help

| | |
|---|---|
| `Ctrl-h` | Open the help menu |
| `z` + `Ctrl-h` | Display list of commands available on the current sheet |

## Getting out of trouble

| | |
|---|---|
| `U` / `R` | Undo/Redo |
| `Ctrl-c` | Abort the current command |
| `q` | Quit the current VisiData "sheet" |
| `Ctrl-q` | Force-quit VisiData entirely |

## Input / output

| | |
|---|---|
| `o` + *filename* | Open a file |
| `Ctrl-s` + *filename* | Save current sheet to *filename* |
| `gY` / `gzY` | Copy (column for) selected rows to *clipboard* |

## Metasheets

| | |
|---|---|
| `S` | Sheets Sheet |
| `gS` | Sheets Graveyard |
| `C` | Columns Sheet |
| `O` | Global options sheet |
| `z0` | This-sheet options sheet |

## Move cursor ...

| | |
|---|---|
| `gj` | to the last row |
| `gk` | to the first row |
| `gh` | to the leftmost column |
| `gl` | to the rightmost column |
| `Ctrl-F` | one page down (forward) |
| `Ctrl-B` | one page up (backward) |

## Moving via search

| | |
|---|---|
| `/` + *regex* | Search forward in *current* column |
| `?` + *regex* | Search backward in *current* column |
| `g/` + *regex* | Search forward in *all* columns |
| `g?` + *regex* | Search backward in *all* columns |
| `n` | Move to next matching row |
| `N` | Move to previous matching row |

## Sort rows ...

| | |
|---|---|
| `[` | in ascending order of *current column* |
| `]` | in descending order of *current column* |
| `g[` | in ascending order of *key columns* |
| `g]` | in descending order of *key columns* |

## Basic row selection

| | |
|---|---|
| `s` | Select the current row |
| `u` | Unselect the current row |
| `t` | Toggle the current row between selected / unselected |
| `gs` | Select all rows |
| `gu` | Unselect all rows |
| `gt` | Toggle all rows between selected / unselected |

## Advanced row selection

| | |
|---|---|
| `|` + *regex* | Select all rows where *regex* matches the **current column** |
| `\` + *regex* | Unselect all rows where *regex* matches the **current column** |
| `g|` + *regex* | Select all rows where *regex* matches **any column** |
| `g\` + *regex* | Unselect all rows where *regex* matches **any** column |
| `,` | Select all rows where the **current column** matches the current cell |
| `g,` | Select all rows where **any column** matches the current cell |
| `z|` + *expr* | Select all rows where *expr* evaluates to `True` |
| `z\` + *expr* | Unselect all rows where *expr* evaluates to `True` |

## Shifting rows / columns

| | |
|---|---|
| `J` | Move row up |
| `K` | Move row down |
| `H` | Move column left |
| `L` | Move column right |

## Setting column types

| | |
|---|---|
| `#` | Integer |
| `%` | Float |
| `$` | Currency |
| `@` | Date |
| `~` | Text |

## Renaming columns

| | |
|---|---|
| `^` | Rename current column |
| `g^` | Set names of all *unnamed* columns to the values in the current or selected row(s) |
| `gz^` | Set names of all *visible* columns to the values in the current or selected row(s) |

## Resizing columns

| | |
|---|---|
| `_` | Adjust the width of **current column** to fit text in all visible rows |
| `g_` | Adjust the width of **all columns** to fit text in all visible rows |
| `z_` + *n* | Set the current column's width to *n* characters |
| `z-` | Shrink the current column's width in half |
| `-` | Hide the current column by setting its width to `0` |
| `gv` | Unhide all columns |

## Filtering

| | |
|---|---|
| `"` | Create new sheet of selected rows |
| `gz"` | Create new sheet with "deep copy" of selected rows |

## Summarizing data

| | |
|---|---|
| `F` | Create frequency table of *current column* |
| `gF` | Create frequency table of *key columns* |
| `+` + *aggr* | Add aggregator to column |
| `z+` + *aggr* | Calculate one-time aggregation of column |
| `I` | Create a "Describe Sheet," with summary stats for each column |

## Creating new columns

| | |
|---|---|
| `za` | Create a blank column |
| `i` | Create an increment column (1,2,3...) |
| `=` + *expr* | Create a new column from a Python *expr* evaluated against each row |
| `:` + *regex* | Create new column(s) by splitting current column on *regex* |
| `;` + *regex* | Create new column(s) by extracting *regex* groups from current column |
| `'` | Create "frozen" copy of current column, with all cells evaluated |

## Reshaping data

| | |
|---|---|
| `W` | Create pivot table sheet, with key column(s) as rows and current column as values |
| `M` | Create "melted" sheet, with key columns as non-melted values |
| `T` | Create a transposed sheet, where columns become rows and v.v. |

## Editing cells

| | |
|---|---|
| `e` | Begin editing current cell |
| `Enter` | Finish editing |
| `Ctrl-c` | Cancel editing |
| `Ctrl-a` | Move to beginning of cell |
| `Ctrl-e` | Move to end of cell |
| `Ctrl-k` | Clear contents from cursor's position to end of line |

## Copying and pasting internally

| | |
|---|---|
| `y` / `gy` | Copy current/selected row(s) |
| `p` | Paste previously copied rows |
| `zy` / `zp` | Copy/paste current cell |
| `gzy` / `gzp` | Copy/paste column for selected rows |
| `zP` / `gzP` | Paste from *clipboard* to current/selected cell(s) |

## Misc.

| | |
|---|---|
| `!` | Make current column a "key" column |
| `Ctrl-r` | Reload sheet |
| `Ctrl-^` | Toggle between current and previous sheet |
| `Space` | Open long-name command prompt |