# Vi Survival Guide

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| **Essentials** | **Editing** |
| To enter vi **vi filename**  To leave vi **:wq** – save and exit  **ZZ** – save and exit  **:q** – exit, without saving  **:q!** – forced exit without  saving  Esc – to return to command mode  To go to 1st line  **1G**  To go to last line **G**  To go to line 10  **10G**  To go to end of line **$**  To go to start of line **0** | To input text **i** – to left of cursor  **I** – at start of line  **a** – to right of cursor  **A** – at end of line  **O** – below current line  **O** – above current line  Esc – to exit input mode  To delete text **x** – delete character  **7x** –delete 7 characters  **dd** – delete line  **7dd** – delete 7 lines  **D**  - delete the rest of line  **dw** – delete word  To change text **r** – replace a character  **cw**  - change word  **R**  - replace text (ESC to terminate) |

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| **Useful Commands** | **Cutting/Copying and Pasting** |
| To undo last command **u**  To restore line **U**  To repeat last command **.**  Display line numbers **:set nu** | To cut text used delete commands (**x** and **d**)  To copy text **yy** – copies a line  **5yy** – copies 5 lines  To paste **p**  - insert text below the cursor  **P** - insert text above the cursor |

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| **Pattern Searching** | **Search and Replace** |
| To search for next occurrence of pattern **/pattern**  To repeat search **/** or **n** | To search and replace all occurrences of old with new in the file  **:1,$s/old/new/g**  To search and replace all occurrences of old with new on current line only  **:s/old/new/g** |