

# BASIC FILE MANIPULATION

- `cut` - accessing specific fields from delimited files
- `tr` - translating characters in files
  - Examples:
    - Replace `as` with `bs` `tr a b`
    - Upper to lowercase  
`tr [:upper:] [:lower:] < inputfile`  
`tr [A-Z] [a-z] < inputfile`
    - Delete characters `tr -d 'N'`

# WC

- Default (no options) outputs: lines, words, bytes  
Ex: `wc filename`
- No filename -> input from stdin
- Multiple files: separate with spaces
- Options to get only specific info:
  - Ex: `wc -l filename` - just number of lines
  - Ex: `wc -m filename` -- number of chars