

| Basics | |
|--------|--------------------------------|
| glo | git log --oneline --decorate |
| gsw | git switch |
| gswc | git switch -c {branch_name} |
| gswm | git switch \${git_main_branch} |
| gcam | git commit -a(l) -m(message) |
| gaa | git add --all |

| Time travel | |
|-------------------------------|--|
| gco {commit- hash} | visit previous commit (detached HEAD) |
| gco HEAD~ {n} | commit n before current head |
| gswc - | get back to prev checked out branch |
| gco HEAD {file(s)} | revert file(s) to last commit status |
| grss {commit} {file(s)} | restore files to state from given commit ref |
| grh {commit} | reset repo back to commit hash, commits are GONE |
| grhh {commit} | reset --hard - lose commits + ALSO REMOVE FROM WORKDIR |
| grev {commit} | revert - create commit undoing changes |

| Diff | |
|----------------------------|--------------------------------|
| gd | all diffs that are not staged |
| gd HEAD | changes since HEAD/last commit |
| gdca | only staged |
| gb {branch1..br- anch2} | diff btw branches (or commits) |

| Remote | |
|------------------------|--|
| gr -v | list remote URLs |
| gra {name} {url} | git remote add |
| ggp | git push origin \${current_br- anch} |
| gpsup | git push --set upstream ... |
| gfb | fetch (get changes to local repo but not to workdir) |
| gl | pull (default origin/current branch) |

| Rebase | |
|--------------------|--|
| grb | git rebase |
| grbm | rebase \${git_main_branch} |
| grb -i HEAD~{n} | recreate commits from n ago until HEAD |

[WARNING] Don't rebase commits that are shared with / used by others!

| Stash | |
|-------|-----------------------------------|
| gsta | git stash (save) |
| gstp | git stash pop |
| gstaa | git stash apply (without popping) |
| gstl | git stash lit |
| gstc | git stash clear |

| Tags | |
|-----------------------|--------------------------|
| gts | git tag -s(ign) |
| gtv | git tag sort -V |
| gco {tag} | check out particular tag |
| g tag {tagname} | lightweight tag at HEAD |
| g tag -a {tagname} | annotated tag at head |
| g push --tags | push tags to origin |

| Reflogs | |
|------------------------------------|------------------------------------|
| g relog show {ref} | ref eg HEAD or branch |
| gco HEAD@{2} | 2 moves ago in relog |
| g relog master- @{one.week.ago} | show relog until 1 week back |
| gd master master- @{yesterday} | diff to yesterday |
| gco master@{1.we- ek.ago} | checkout at closest matching entry |
| grh master@{n} | reset master to n moves ago |

Reflogs are only local, and expire in ~90 days Records all moves of pointers & everything done in a repo locally, so we can revert things even after rebase, etc.

