

MAKING A COMMIT

git diff --cached

/analysis.R



git add analysis.R

git commit

git commit -a

/.git/objects/



/refs / master

origin/master

"WORKING COPY"

"STAGE"

WORKSPACE

INDEX

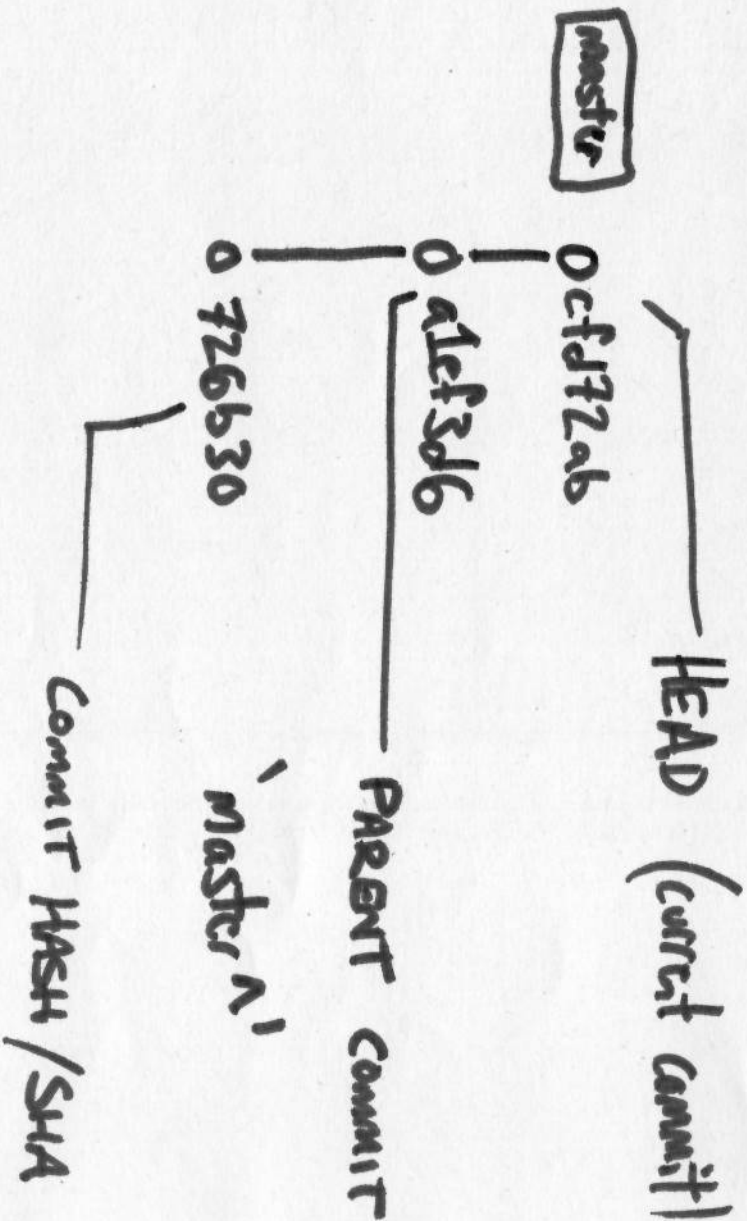
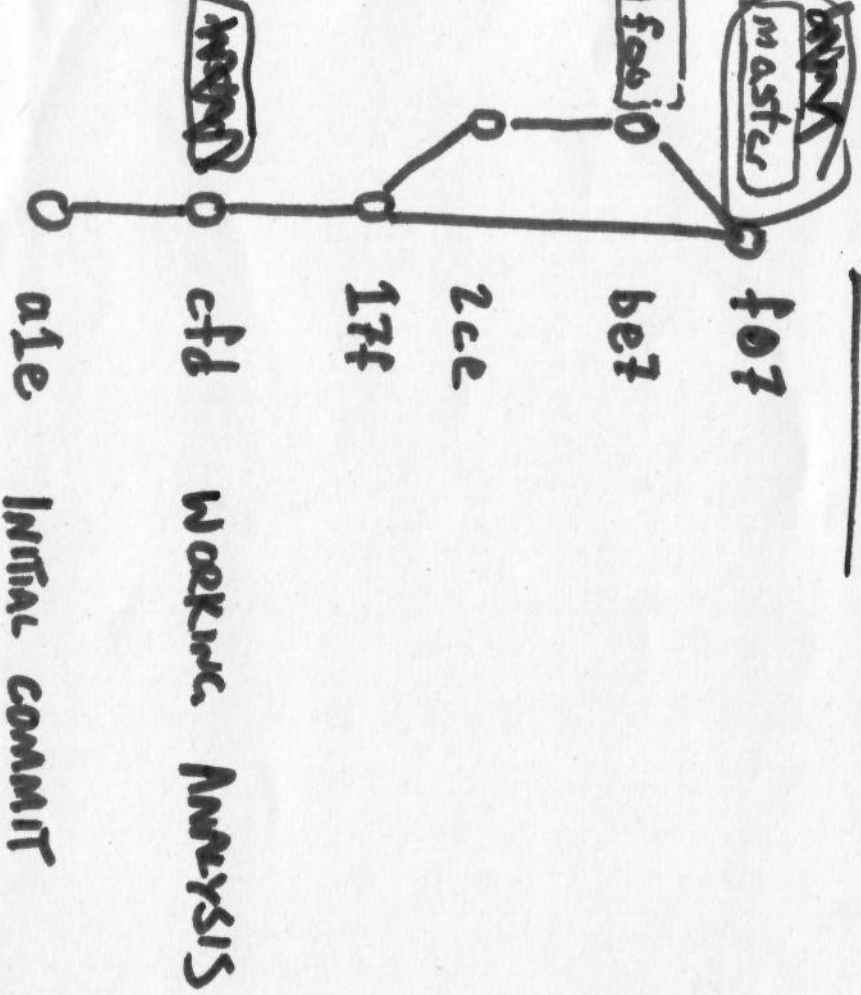
LOCAL REPO

WHAT GOES IN A COMMIT

'git log -p -1'

- 1 PARENT COMMIT ID(S) a1ef3d6
- 2 POINTERS TO EVERY FILE AT
TIME OF COMMIT [A, B, ...]
- 3 COMMIT MESSAGE & AUTHOR
- 4 COMMIT HASH (A CHECKSUM OF ITEMS 1-3)

The Directed Acyclic Graph



FURTHER READING

FOR PEOPLE WHO HAVE TO KNOW "INTERNALS"

PRO GIT, SCOTT CHACON

(IT'S FREE)