Kaggle Tutorial

Git Basics

Pandas Basics

Visualization Basics

Practice along with Kernel

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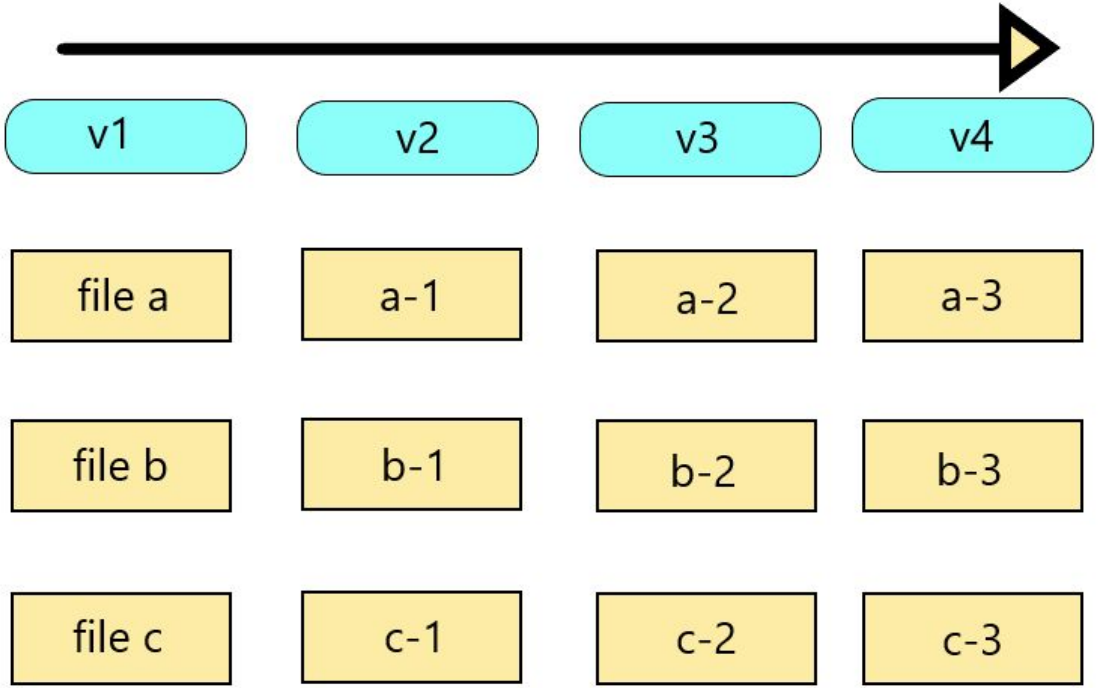
git

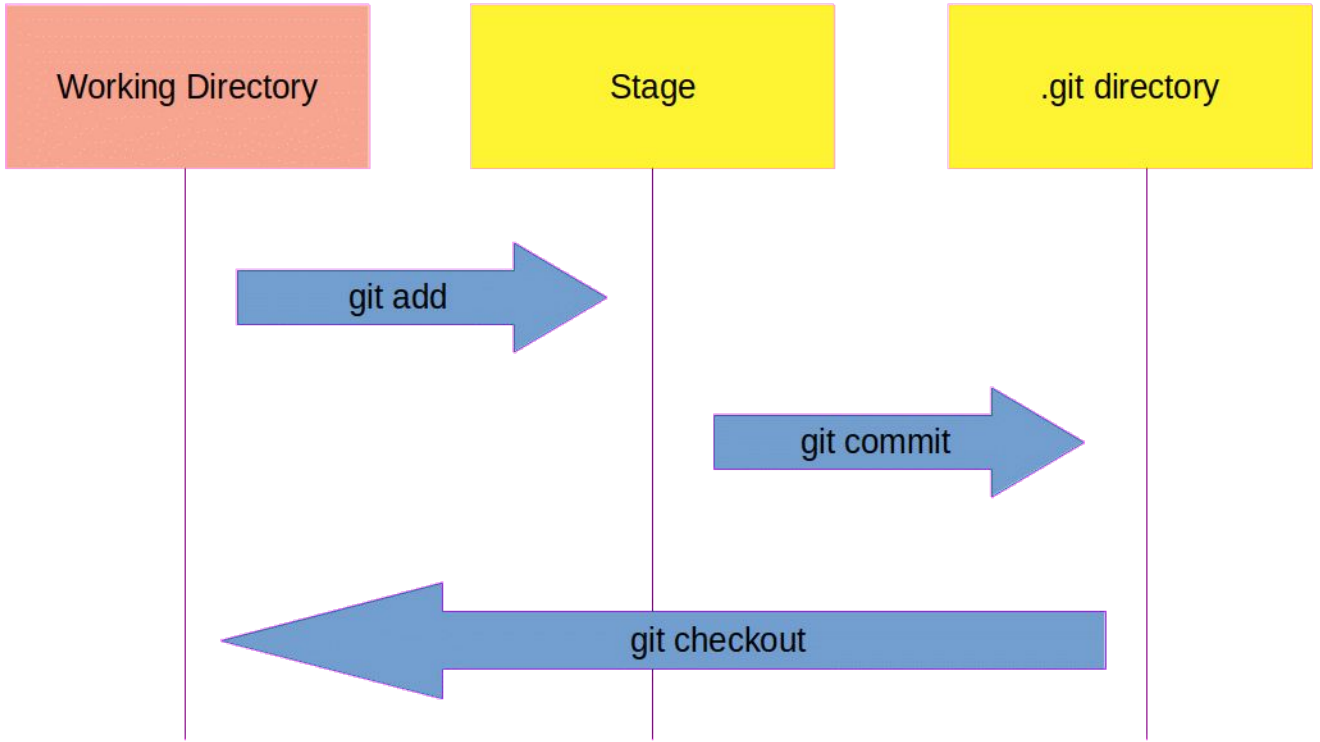
from 2005

Linus Torvalds

github, gitlab,
bitbucket등의 서비스가

git은 아님.


v1
v2
v3
v4
file a
a-1
a-2
a-3
file b
b-1
b-2
b-3
file c
c-1
c-2
c-3


Working Directory
Stage
.git directory
git add
git commit
git checkout

git config --global user.name “Cornelii Son”

git config --global user.email “xxxxxxxx@gmail.com”

git init

git clone {address}

git status

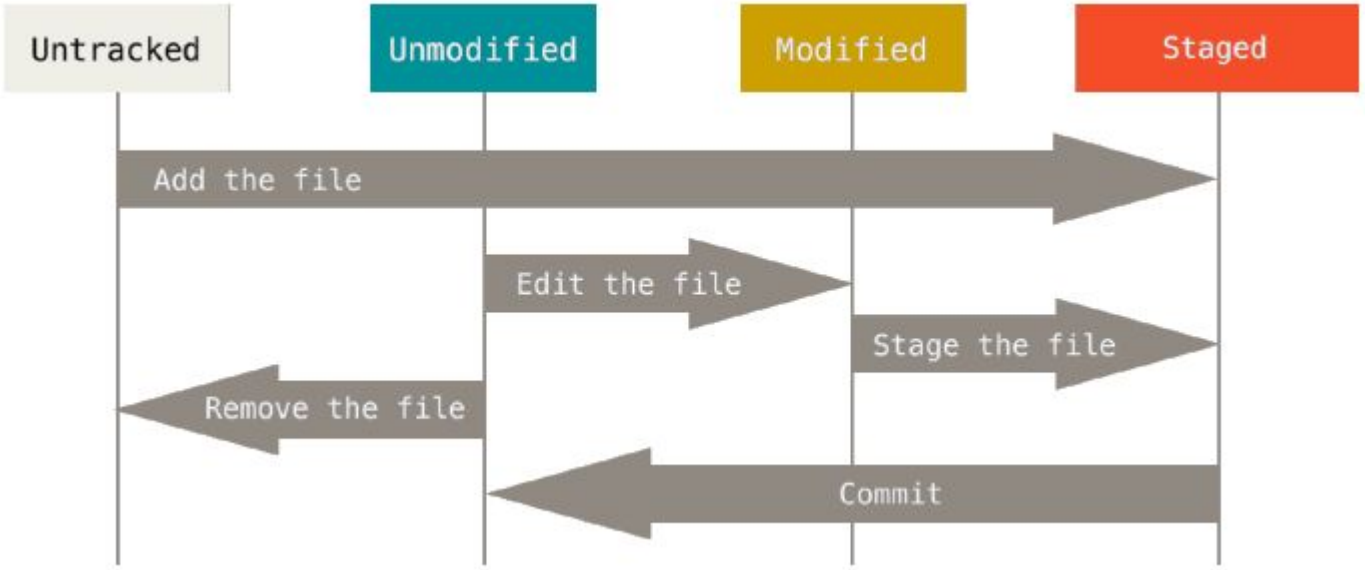
git add (<=> git reset)

git commit -m “comment”

git log

git log -p -5 --graph

File classification in Git



Remote Repository

git remote add [name] [url]

git remote -v

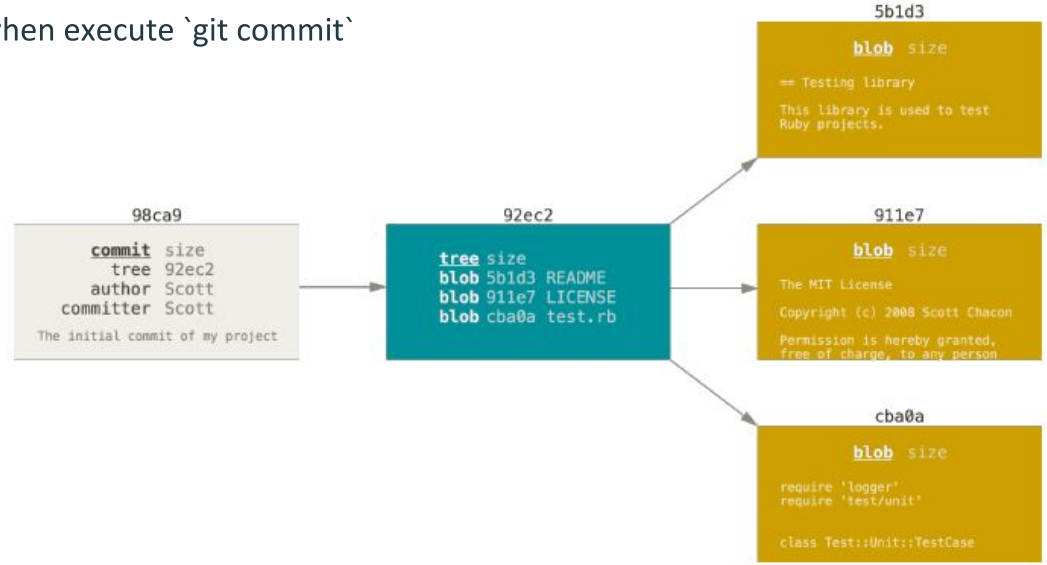
git fetch & git merge

git pull

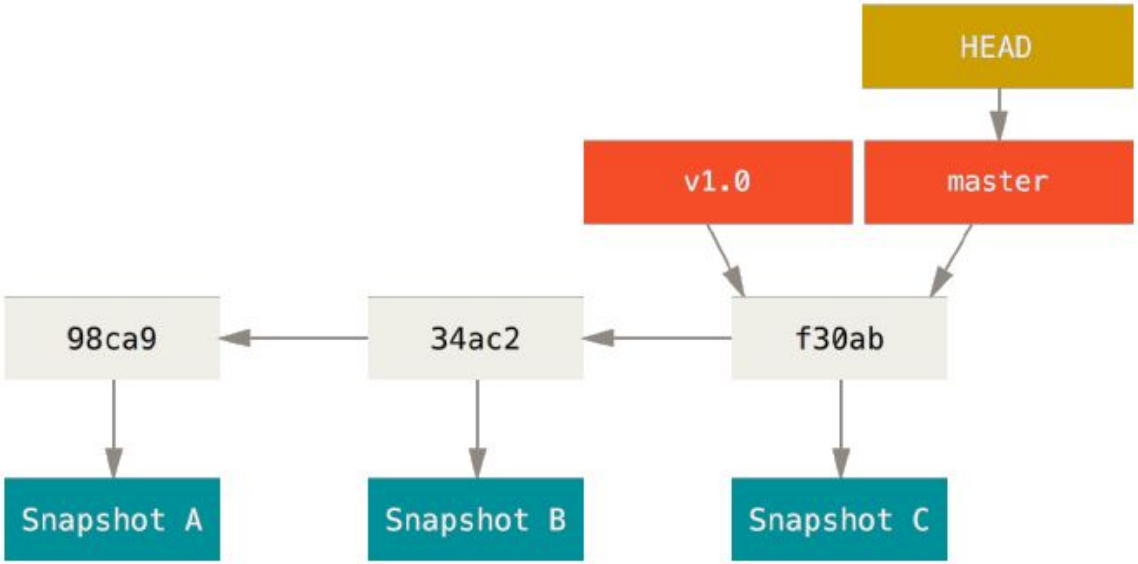
git push -u [remote repo-name] [branch name]

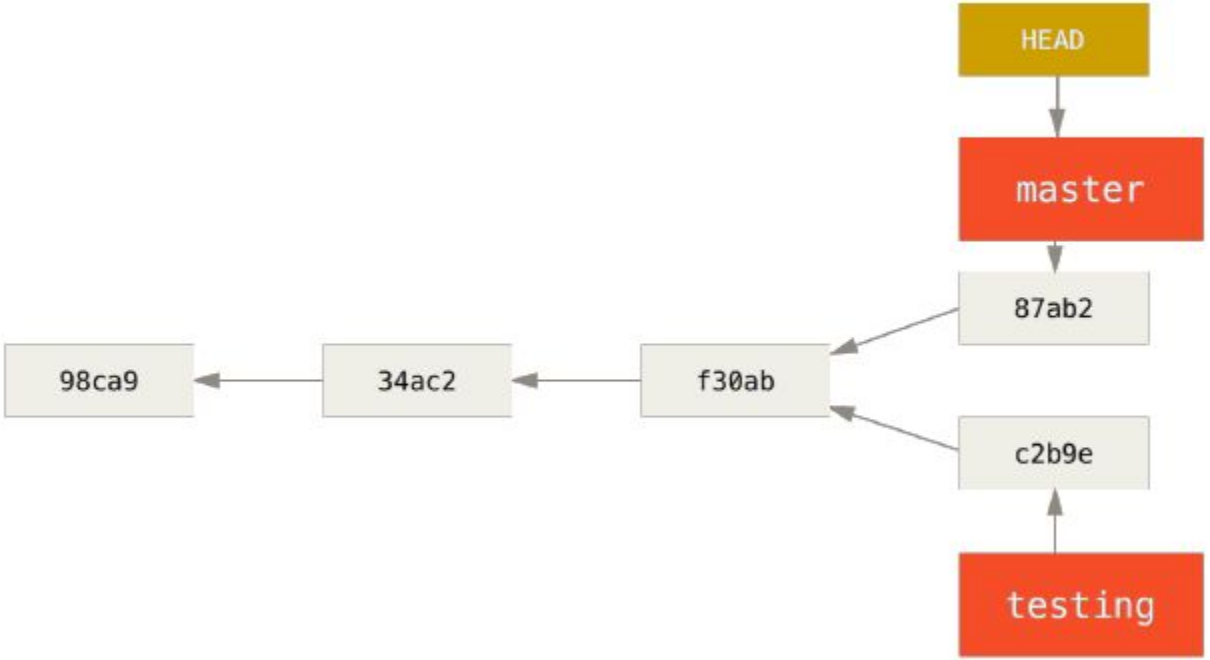
Understanding Branch

- What happens when execute `git commit`



Branch is like pointer to commits




HEAD
master
87ab2
98ca9
34ac2
f30ab
c2b9e
testing

git branch [branch-name]

git branch

git checkout [branch-name]

git branch -d [branch-name]

git merge [branch2_name]

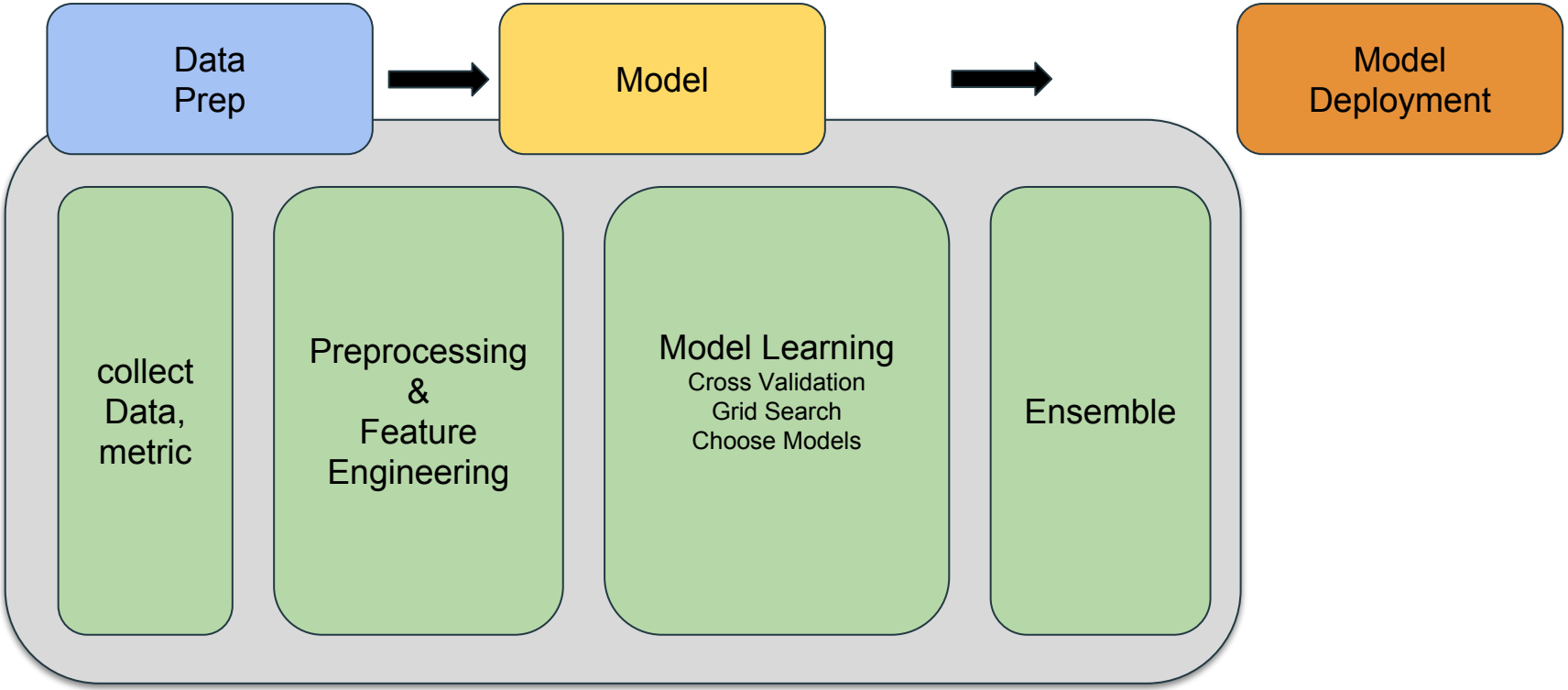
at the branch1 (merge branch2 -> branch1)

git branch -d [branch-name]

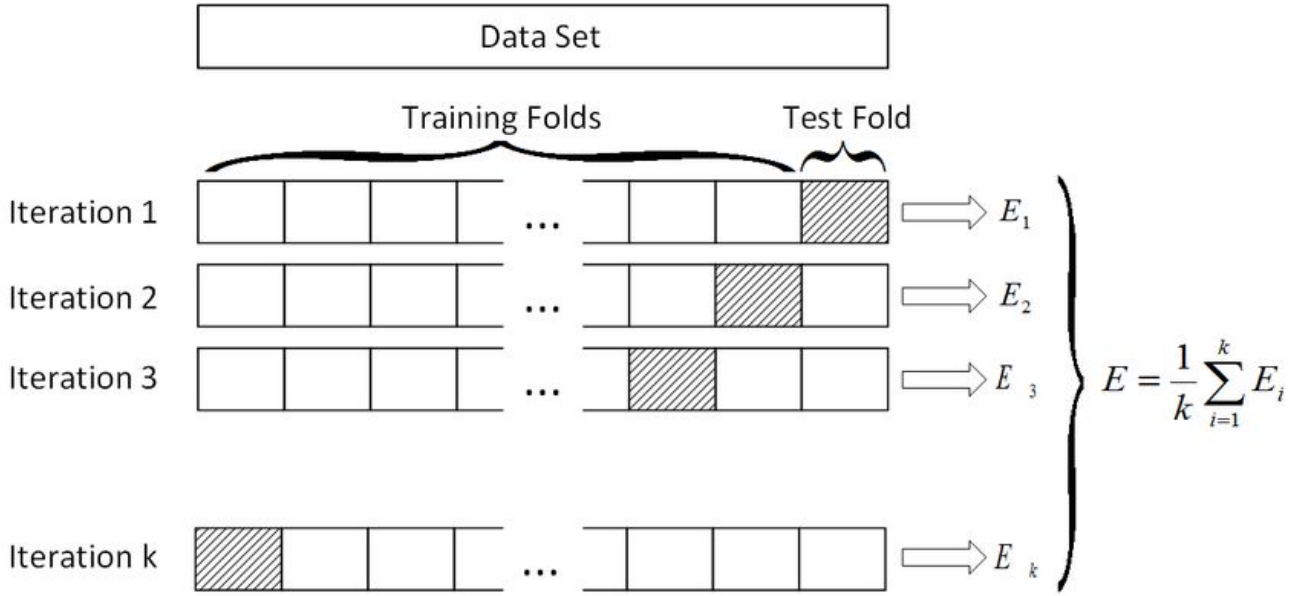
git push [remote-name] [branch-name]

Pandas and Visualization
Hands-on Practice!

Data Science?!

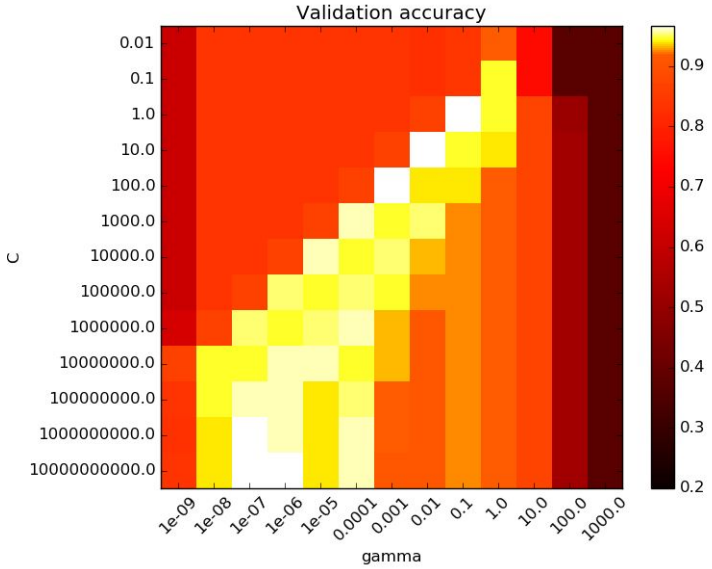


Cross Validation



Grid Search

Procedure to find optimized parameters.



You have to consider Computational costs.

Hands-on Practice

1. EDA and Data preprocessing using pandas, matplotlib.pyplot, seaborn, etc.
2. Use of sklearn
3. Submit data to the kaggle competition.

Data: Home Sales.