# clean\_commits\_with\_messages

select

C.commit as commit

, c.repo\_name as repo\_name

, c.message as message

, c.author\_date as author\_date

, max(bug\_ratio\_after\_3\_months - Bug\_ratio\_before\_3\_months) as ccp\_diff

, max(avg\_file\_per\_commit\_after\_3\_months - avg\_file\_per\_commit\_before\_3\_months) as coupling\_diff

, max(avg\_non\_test\_file\_per\_commit\_after\_3\_months - avg\_non\_test\_file\_per\_commit\_before\_3\_months) as coupling\_no\_test\_diff

FROM

[citric-trees-187317.repo\_attributes.valid\_commits] as c

Join

[citric-trees-187317:repo\_attributes.refactor\_stats] as r

On

c.commit = r.refactor\_commit

And c.repo\_name = r.refactor\_repo\_name

join

[citric-trees-187317:repo\_attributes.refactor\_stats\_2018\_commit\_size] as cs

#join rule

on

c.repo\_name = cs.refactor\_repo\_name

and

c.commit = cs.refactor\_commit

where

Commits\_before\_3\_months > 9

And

Commits\_after\_3\_months > 9

And

(not refactor\_file\_test)

and major\_source\_extension

And (cs.non\_test\_files > 6)

And not is\_refactor\_commit\_also\_fix

And not is\_refactor\_commit\_also\_adaptive

Group by

commit

, repo\_name

, message

, author\_date

# CCP improving refactors

select

C.commit as commit

, c.repo\_name as repo\_name

, c.message as message

, c.author\_date as author\_date

FROM

[citric-trees-187317.repo\_attributes.valid\_commits] as c

Join

[citric-trees-187317:repo\_attributes.refactor\_stats] as r

On

c.commit = r.refactor\_commit

And c.repo\_name = r.refactor\_repo\_name

join

[citric-trees-187317:repo\_attributes.refactor\_stats\_2018\_commit\_size] as cs

#join rule

on

c.repo\_name = cs.refactor\_repo\_name

and

c.commit = cs.refactor\_commit

where

Bug\_ratio\_before\_3\_months > bug\_ratio\_after\_3\_months + 0.1

And

Commits\_before\_3\_months > 10

And

Commits\_after\_3\_months > 10

And

(not refactor\_file\_test)

and major\_source\_extension

And (cs.non\_test\_files > 6)

and refactor\_after\_3\_months =0

and refactor\_before\_3\_months = 0

And not is\_refactor\_commit\_also\_fix

And not is\_refactor\_commit\_also\_adaptive

Group by

commit

, repo\_name

, message

, author\_date