

# Data Mining In Action

Git Quick Start



"Your recent Amazon purchases, Tweet score and location history makes you 23.5% welcome here."

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## Заводим аккаунт на GitHub



## Устанавливаем git

<https://git-scm.com/book/ru/v1/Введение-Установка-Git>

## Настраиваем

```
$ git config --global user.name "John Doe"  
$ git config --global user.email johndoe@example.com
```

## git clone

```
MacBook-Air-5:~ ars$ git clone git@github.com:vkantor/MIPT_Data_Mining_In_Action_2016.git
Cloning into 'MIPT_Data_Mining_In_Action_2016'...
remote: Counting objects: 224, done.
remote: Compressing objects: 100% (29/29), done.
remote: Total 224 (delta 16), reused 0 (delta 0), pack-reused 189
Receiving objects: 100% (224/224), 24.64 MiB | 167.00 KiB/s, done.
Resolving deltas: 100% (83/83), done.
Checking connectivity... done.
```

## git status

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
nothing to commit, working directory clean
```

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git status
On branch master
Your branch is behind 'origin/master' by 18 commits, and can be fast-forwarded.
  (use "git pull" to update your local branch)
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)
```

```
modified: trends/hw0/task0.ipynb
modified: trends/hw0/utils.py
```

## git diff

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git diff
diff --git a/README.md b/README.md
index 62ded94..6263ad5 100644
--- a/README.md
+++ b/README.md
@@ -1,2 +1,2 @@
-# MIPT Data Mining In Action 2016
+# akankkn ``MIPT Data Mining In Action 2016
"Data Mining in Action" course materials, Moscow Institute of Ph
```

## git add

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git add trends/hw0/task0.ipynb
```

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git st
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   trends/hw0/utils.py

Unmerged paths:
  (use "git reset HEAD <file>..." to unstage)
  (use "git add <file>..." to mark resolution)

        both modified:   trends/hw0/task0.ipynb
```

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git st
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

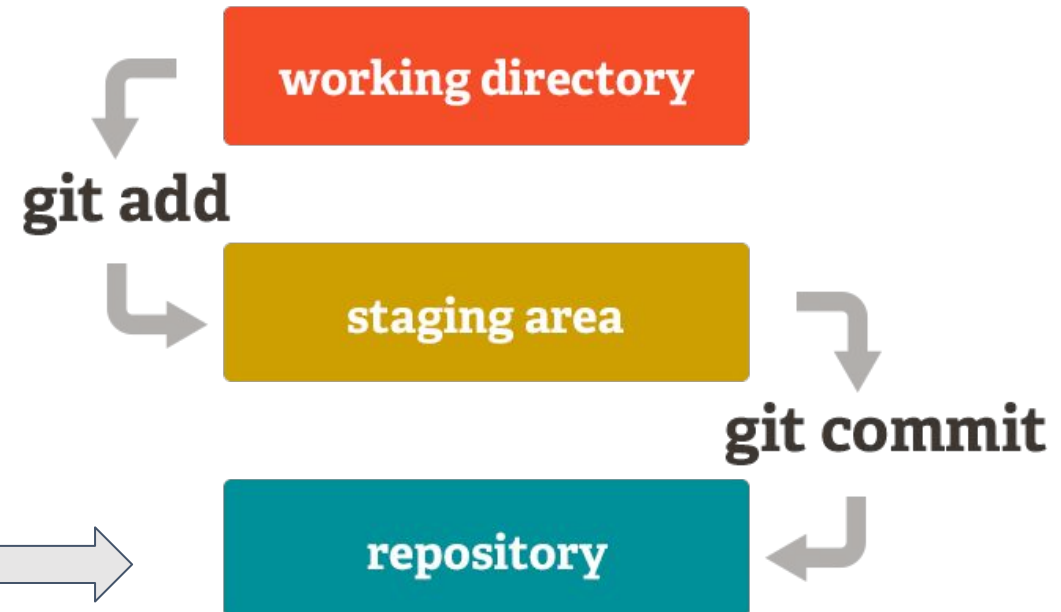
        modified:   trends/hw0/task0.ipynb
        modified:   trends/hw0/utils.py
```

## git commit

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git commit -m "fix bug"
[master 998e199] fix bug
2 files changed, 346 insertions(+), 33 deletions(-)
```

## git pull

```
$ git pull https://github.com/ORIGINAL_OWNER/ORIGINAL_REPOSITORY.git BRANCH_NAME
```





## git pull

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git pull
Updating 28d2784..9add514
error: Your local changes to the following files would be overwritten by merge:
    trends/hw0/task0.ipynb
Please, commit your changes or stash them before you can merge.
Aborting
```

## git stash (git stash apply)

```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git stash
Saved working directory and index state WIP on master: 28d2784 Merge pull request #2 from omtcyfz/trens-hw0-minor-fixes
HEAD is now at 28d2784 Merge pull request #2 from omtcyfz/trens-hw0-minor-fixes
```

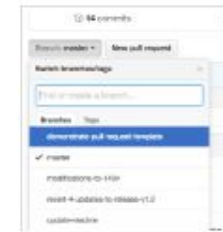
```
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$ git pull
Updating 28d2784..9add514
Fast-forward
 industry/hw0/task.md | 13 ++
 industry/hw0/task_template.ipynb | 159 ++++++
 sport/hw0/benchmark.ipynb | 1068 ++++++
 sport/hw0/task.md | 28 +++++
 trends/hw0/task0.ipynb | 12 +-
5 files changed, 1274 insertions(+), 6 deletions(-)
create mode 100644 industry/hw0/task_template.ipynb
create mode 100644 sport/hw0/benchmark.ipynb
create mode 100644 sport/hw0/task.md
MacBook-Air-5:MIPT_Data_Mining_In_Action_2016 ars$
```

# git checkout -b [name\_of\_your\_new\_branch]

## git branch

### Creating the pull request

- 1 On GitHub, navigate to the main page of the repository.
- 2 In the "Branch" menu, choose the branch that contains your commits.
- 3 To the right of the Branch menu, click **New pull request**.
- 4 Use the *base* branch dropdown menu to select the branch you'd like to merge your changes into, then use the *compare* branch drop-down menu to choose the topic branch you made your changes in.
- 5 Type a title and description for your pull request.
- 6 Click **Create pull request**.



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проникнутся гитом.

<https://git-scm.com/book/ru/v1>