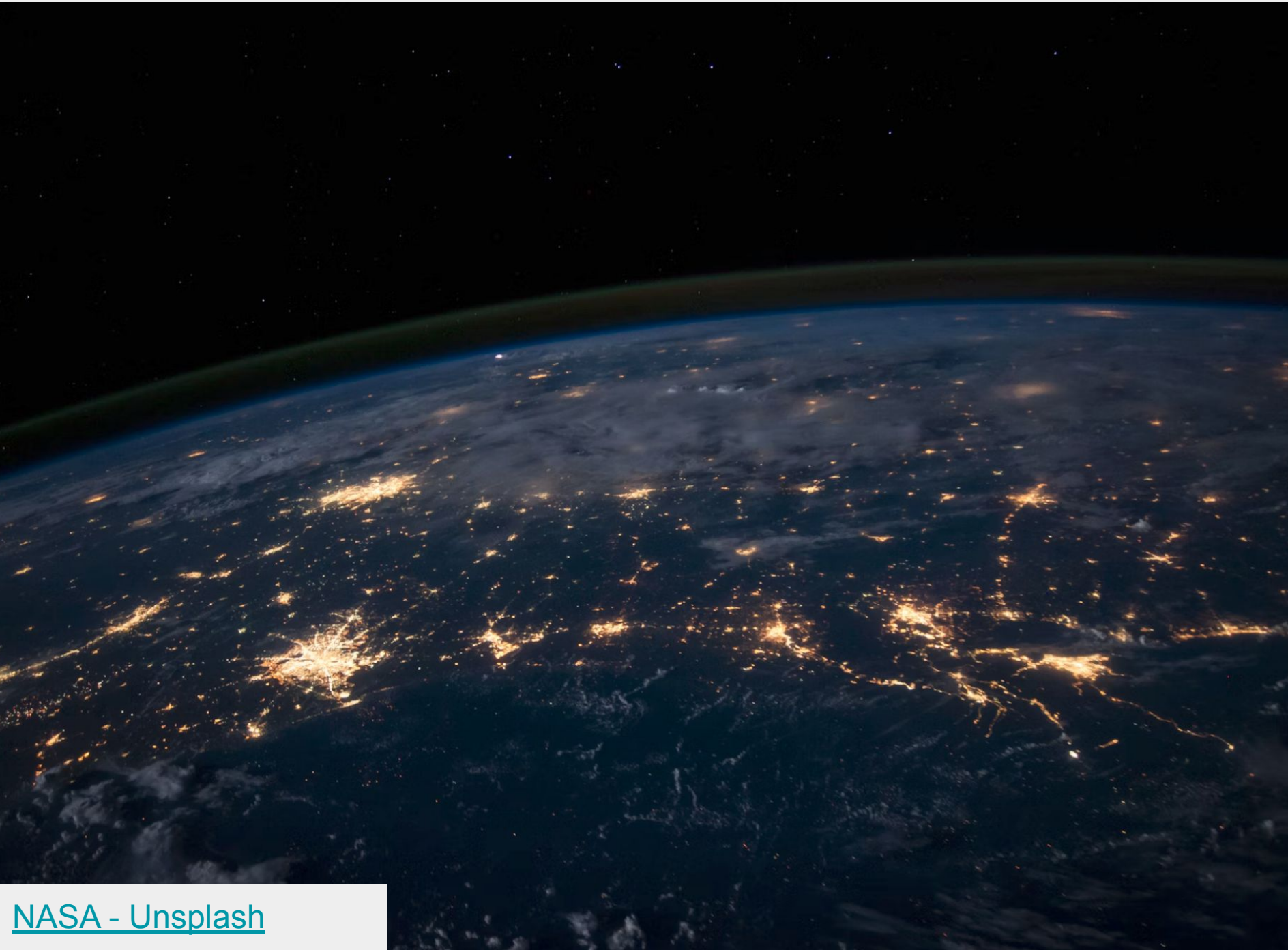


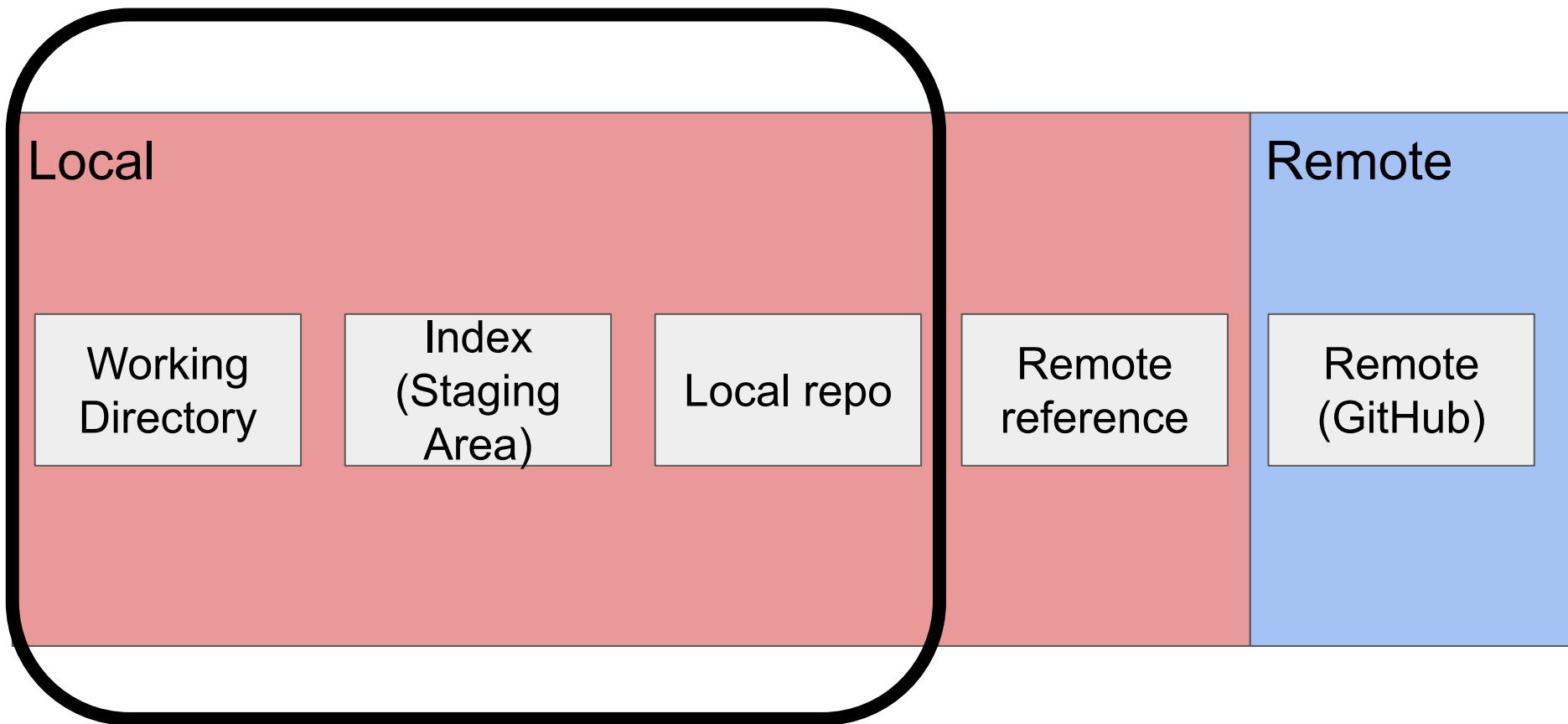
# git - remotes

Adapted from materials by Dr. Carrier

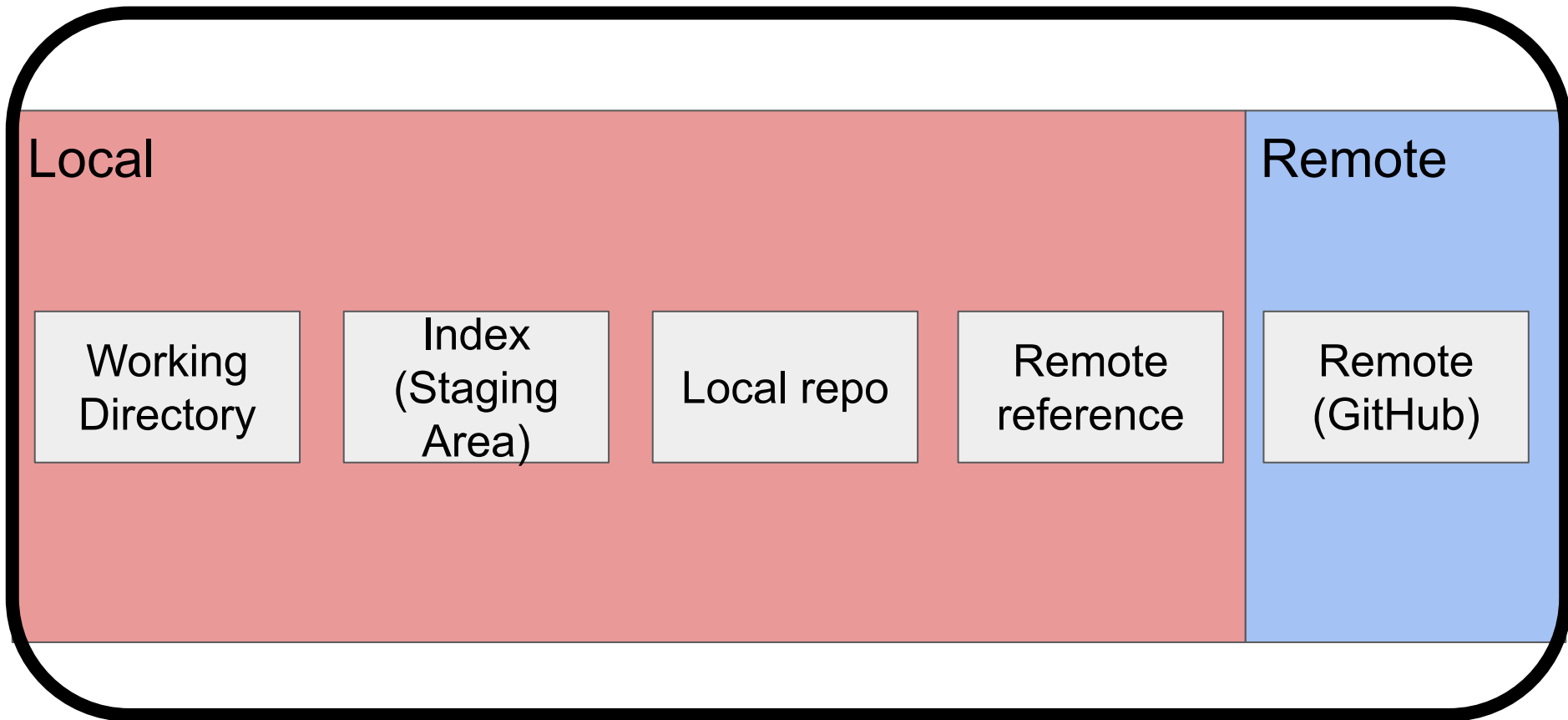


Where are we?

# Working locally



# Working locally + remotely



Where are we?

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So far, we've only been working locally

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Remote - A git repo stored elsewhere on a network

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Other sites include GitLab and BitBucket



# Getting connected

# Getting connected

**Note:** I generally recommend using SSH keys to interact with GitHub:

<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/adding-a-new-ssh-key-to-your-github-account>

# Getting connected

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2. In your local repo, run:

```
git remote add origin remote_repo_url  
git push --set-upstream origin main
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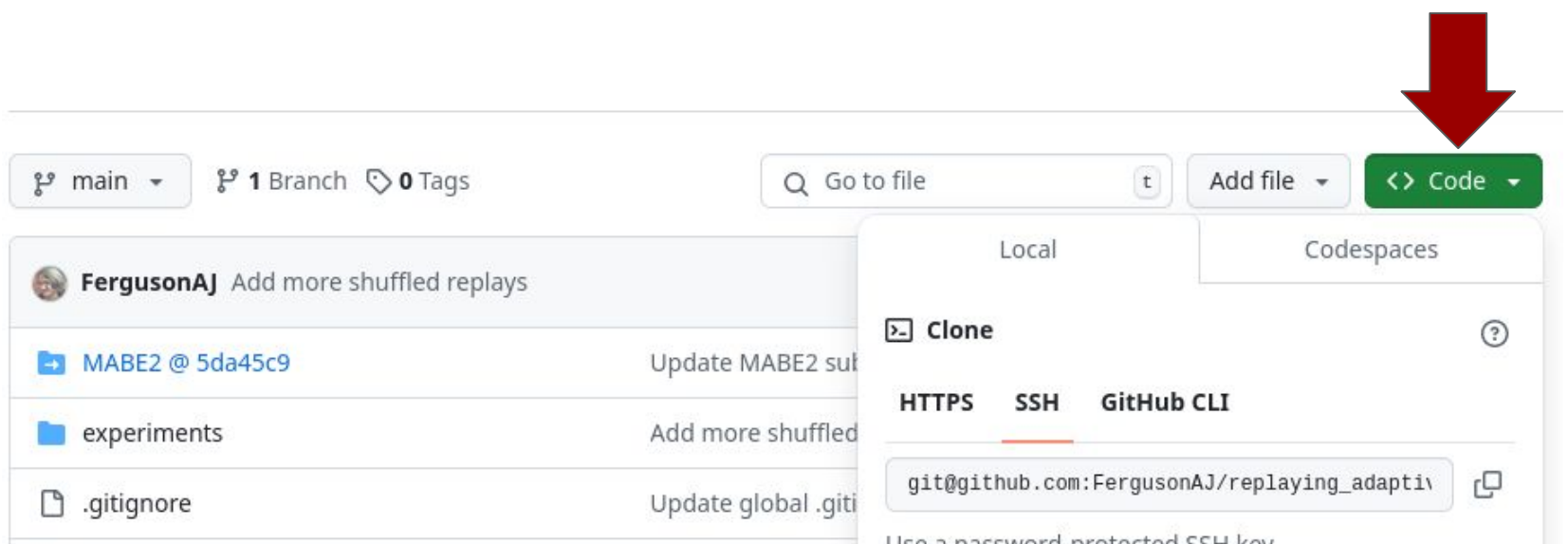
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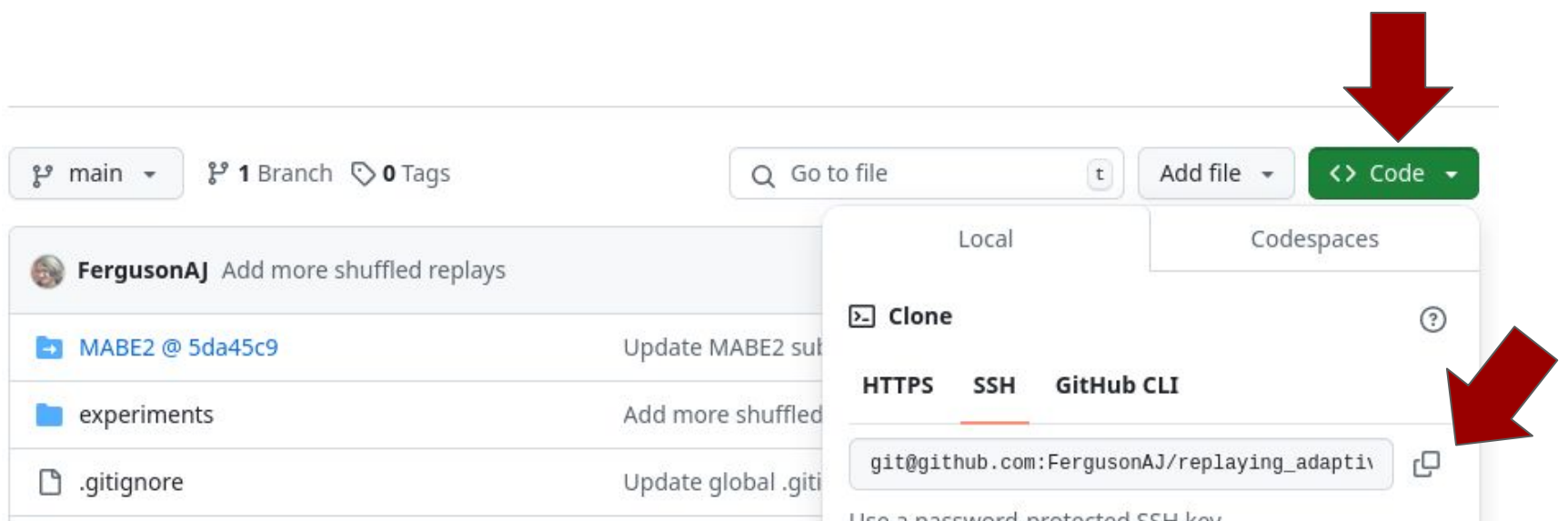
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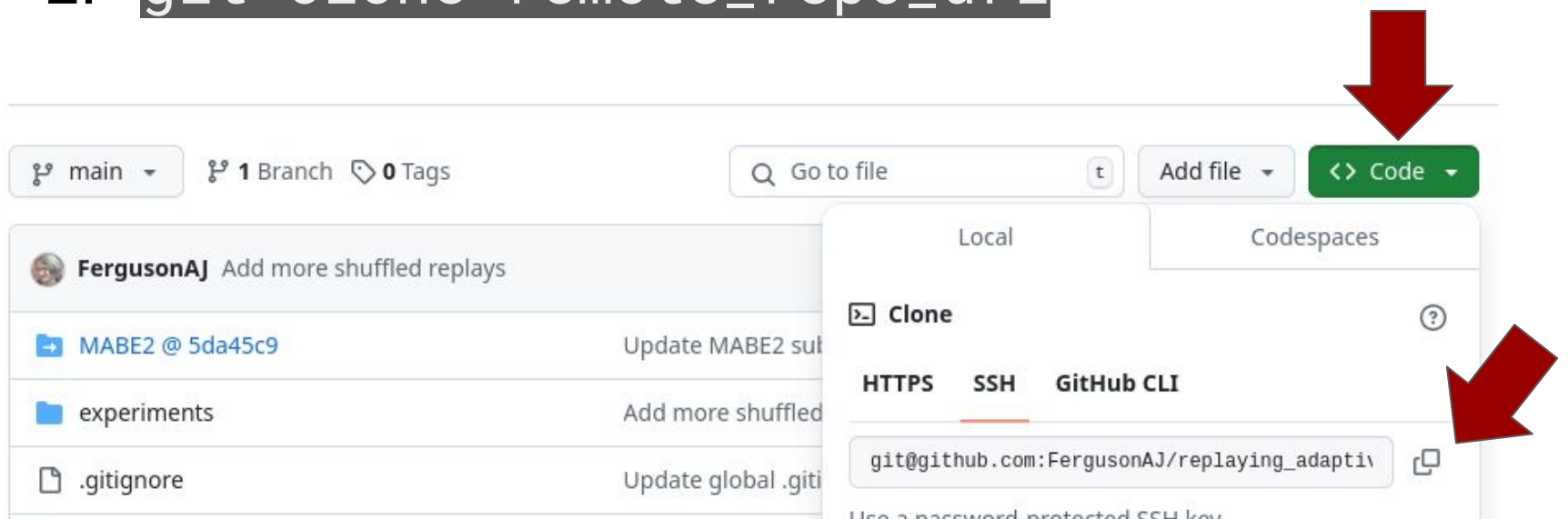
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2. In your local repo, run:

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If you do *not* have a local repo:

1. Grab the repo url off GitHub
2. `git clone remote_repo_url`



# Workflow

Editing files, staging changes, and commits are the same as when working locally!

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When you want to download changes from remote:

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```
git merge
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# Workflow

Editing files, staging changes, and commits are the same as when working locally!

When you want to send your commits to remote:

```
git push
```

```
git push remote branch (if needed)
```

When you want to download changes from remote:

```
git fetch
```

```
git merge
```

Or

```
git pull
```

# Warning!

Generally bad practice to rewrite history once it has been pushed to a remote

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Generally bad practice to rewrite history once it has been pushed to a remote

Generally, don't:

- Rebase
- Reset to an earlier commit
- Commit from detached HEAD
- Amend a commit that has been pushed