

Errors

Here are 5 errors that i encountered while working on the project.

1) No branch name

```
⊗ $ git push origin
fatal: The current branch main has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin main

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
```

Why the error occurred: I forgot mention the branch name.

Solution: I fixed the command by adding the branch name "main" and pushed it again. (git push origin main)

2) Shiny - Shiny Express Difference

```
⊗ Traceback (most recent call last):
  File "c:\Users\HP\OneDrive\Masaüstü\BioInf Project\main.py", line 9, in <module>
    app_ui = ui.page_fluid(
              ^^^^^^^^^^^^^
AttributeError: module 'shiny.express.ui' has no attribute 'page_fluid'
```

Why the error occurred: *ui.page_fluid* method exists in shiny, not in shiny.express.

Solution: I imported *ui* from shiny not shiny express.

3) Return Error

```

Traceback (most recent call last):
  File "C:\Users\HP\AppData\Local\Programs\Python\Python312\Lib\site-packages\shiny\session\_session.py", line 1450, in output_obs
    value = await renderer.render()
            ~~~~~
  File "C:\Users\HP\AppData\Local\Programs\Python\Python312\Lib\site-packages\shiny\render\_render.py", line 377, in render
    raise Exception(
Exception: @render.plot doesn't know to render objects of type '<class 'str'>'. Consider either requesting support for this type of plot object, and/or explicitly saving the object to a (png) file and using @render.image.

```

Why the error occurred: There was no return in the end of the *extractzip* method. So variable couldn't actually get the h5ad file.

Solution: I added *return h5ad_file* code at the end of the *extractzip* method.

4) gcf() and gcf Difference

```

Traceback (most recent call last):
  File "C:\Users\HP\AppData\Local\Programs\Python\Python312\Lib\site-packages\shiny\session\_session.py", line 1450, in output_obs
    value = await renderer.render()
            ~~~~~
  File "C:\Users\HP\AppData\Local\Programs\Python\Python312\Lib\site-packages\shiny\render\_render.py", line 377, in render
    raise Exception(
Exception: @render.plot doesn't know to render objects of type '<class 'function'>'. Consider either requesting support for this type of plot object, and/or explicitly saving the object to a (png) file and using @render.image.

```

Why the error occurred: The *fig = gcf* code made *fig* a function class object, not a figure object.

Solution: I fixed code as it shown: *fig = gcf()*.

5) Git Pull

```

$ git push origin main
To https://github.com/MelisCakan/umap-visualization-website.git
 ! [rejected]        main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/MelisCakan/umap-visualization-website.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. If you want to integrate the remote changes,
hint: use 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

```

Why the error occurred: I tried to do *git commit —amend* (to add a little changes to the last commit) but I already pushed that commit so there was an inconsistency between local folder and github folder.

Solution: I pulled the commits with *git pull* and then committed the changes.