

Lab 1 errors

While working on the image processing notebook in Jupyter, I ran into a few small problems, especially in the beginning.

First, I tried to load an image using some sample code, but it gave me an error saying the file couldn't be found. I had written code to open a file called `sample.jpg`, but it turns out I didn't have that file saved anywhere. So instead of wasting time looking for an image, I just created a new blank image using code. It worked fine and let me move ahead with editing and showing the image right inside the notebook.

```
img.show()

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FileNotFoundError                                Traceback (most recent call last)
Cell In[3], line 1
----> 1 img = Image.open("sample.jpg")
      2 img.show()

File ~/Library/Frameworks/Python.framework/Versions/3.12/lib/python3.12/site-packages/PIL/Image.py:3513, in open(fp, mode, formats)
    3511 if is_path(fp):
    3512     filename = os.fspath(fp)
-> 3513     fp = builtins.open(filename, "rb")
    3514     exclusive_fp = True
    3515 else:

FileNotFoundError: [Errno 2] No such file or directory: 'sample.jpg'

[4]: img = Image.new('RGB', (200, 200), color='white')
      img.show()
```

Next, after finishing the notebook, I wanted to keep things organized by moving the file into a separate folder. At first, I couldn't find the option to move the file anywhere in Jupyter. I was clicking around inside the notebook, expecting a button or option to move it, but it wasn't there. Later, I realized I had to go back to the main Jupyter page (the file browser), select the notebook, and only then the "Move" button would show up. Once I figured that out, moving the file was easy.

The last issue I faced was while trying to save the notebook as a PDF. I used the export option, but it failed and gave me an error that said something like "xelatex not found." I didn't know what that meant at first, but after looking it up, I found out that it was asking for a special tool (called LaTeX) that helps convert notebooks into PDF format. I had to download and install a program (like MiKTeX or TeX Live depending on the system), and after doing that and restarting everything, the export worked smoothly.

500 : Internal Server Error

The error was:

```
nbconvert failed: xelatex not found on PATH, if you have not installed xelatex you may need to do so. Find further instructions at https://nbconvert.readth
```