

convert_all_notebooks

September 29, 2024

```
[13]: import os
import glob
import socket

if socket.gethostname() != 'apokalite':
    print('\n\nEnter the full path name of the root directory of the
    ↪installation\nor\nPress \'Enter\' to indicate this file\'s present location')
    basedir=input()
    if basedir=='':
        basedir=os.getcwd()
else:
    basedir='/home/david/gh/intro_curve_fitting_python'
try:
    os.chdir(basedir)
except:
    print('problem changing to basedir; rerun this program. the kernel will now
    ↪restart.')
    quit()

print(f'now in {basedir}\n')
```

now in /home/david/gh/intro_curve_fitting_python

```
[14]: nbs = glob.glob("*.ipynb")
```

```
[15]: for nb in nbs:
    command='jupyter nbconvert '+nb+' --to pdf'
    os.system(command)
```

```
[NbConvertApp] Converting notebook generate_datasets.ipynb to pdf
[NbConvertApp] Support files will be in generate_datasets_files/
[NbConvertApp] Making directory ./generate_datasets_files
[NbConvertApp] Writing 49934 bytes to notebook.tex
[NbConvertApp] Building PDF
[NbConvertApp] Running xelatex 3 times: ['xelatex', 'notebook.tex', '-quiet']
[NbConvertApp] Running bibtex 1 time: ['bibtex', 'notebook']
[NbConvertApp] WARNING | bibtex had problems, most likely because there were no
citations
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[NbConvertApp] PDF successfully created
[NbConvertApp] Writing 124755 bytes to generate_datasets.pdf
[NbConvertApp] Converting notebook Houston.ipynb to pdf
[NbConvertApp] Writing 21589 bytes to notebook.tex
[NbConvertApp] Building PDF
[NbConvertApp] Running xelatex 3 times: ['xelatex', 'notebook.tex', '-quiet']
[NbConvertApp] Running bibtex 1 time: ['bibtex', 'notebook']
[NbConvertApp] WARNING | bibtex had problems, most likely because there were no
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[NbConvertApp] PDF successfully created
[NbConvertApp] Writing 18280 bytes to Houston.pdf
[NbConvertApp] Converting notebook thermal_denaturation_fitting.ipynb to pdf
[NbConvertApp] Support files will be in thermal_denaturation_fitting_files/
[NbConvertApp] Making directory ./thermal_denaturation_fitting_files
[NbConvertApp] Writing 38781 bytes to notebook.tex
[NbConvertApp] Building PDF
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[NbConvertApp] Writing 118095 bytes to thermal_denaturation_fitting.pdf
[NbConvertApp] Converting notebook start_here.ipynb to pdf
[NbConvertApp] Support files will be in start_here_files/
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[NbConvertApp] PDF successfully created
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[NbConvertApp] Converting notebook derivation_signal_vs_temp_fiting_model.ipynb
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derivation_signal_vs_temp_fiting_model_files/
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[NbConvertApp] Writing 46743 bytes to notebook.tex
[NbConvertApp] Building PDF
[NbConvertApp] Running xelatex 3 times: ['xelatex', 'notebook.tex', '-quiet']
[NbConvertApp] CRITICAL | xelatex failed: ['xelatex', 'notebook.tex', '-quiet']
b"This is XeTeX, Version 3.141592653-2.6-0.999995 (TeX Live 2023/Debian)
(preloaded format=xelatex)\n restricted \\\write18 enabled.\nentering extended
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\frac{1}{T}+\frac{\Delta S\degree}{R}\]\n\n? \n! Emergency
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\[ln(K)=-\frac{\Delta H\degree}{R}\n
\frac{1}{T}+\frac{\Delta S\degree}{R}\]\n\nNo pages of output.\nTranscript
written on notebook.log.\n"
Traceback (most recent call last):
  File "/home/david/.venv/bin/jupyter-nbconvert", line 8, in <module>
    sys.exit(main())
    ~~~~~
  File "/home/david/.venv/lib/python3.12/site-
packages/jupyter_core/application.py", line 283, in launch_instance
    super().launch_instance(argv=argv, **kwargs)
  File "/home/david/.venv/lib/python3.12/site-
packages/traitlets/config/application.py", line 1075, in launch_instance
    app.start()
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/nbconvertapp.py", line 420, in start
    self.convert_notebooks()
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/nbconvertapp.py", line 597, in convert_notebooks
    self.convert_single_notebook(notebook_filename)
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/nbconvertapp.py", line 563, in convert_single_notebook
    output, resources = self.export_single_notebook(
    ~~~~~
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/nbconvertapp.py", line 487, in export_single_notebook
    output, resources = self.exporter.from_filename(
    ~~~~~
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/templateexporter.py", line 386, in from_filename
    return super().from_filename(filename, resources, **kw) #
type:ignore[return-value]
    ~~~~~
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/exporter.py", line 201, in from_filename
    return self.from_file(f, resources=resources, **kw)
    ~~~~~
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/templateexporter.py", line 392, in from_file
    return super().from_file(file_stream, resources, **kw) #
type:ignore[return-value]
    ~~~~~
  File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/exporter.py", line 220, in from_file

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    return self.from_notebook_node(
        ~~~~~~

File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/pdf.py", line 197, in from_notebook_node
    self.run_latex(tex_file)
File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/pdf.py", line 166, in run_latex
    return self.run_command(
        ~~~~~~

File "/home/david/.venv/lib/python3.12/site-
packages/nbconvert/exporters/pdf.py", line 156, in run_command
    raise raise_on_failure(msg)
nbconvert.exporters.pdf.LatexFailed: PDF creating failed, captured latex output:
Failed to run "['xelatex', 'notebook.tex', '-quiet']" command:
This is XeTeX, Version 3.141592653-2.6-0.999995 (TeX Live 2023/Debian)
(preloaded format=xelatex)
restricted \write18 enabled.
entering extended mode
(./notebook.tex
LaTeX2e <2023-11-01> patch level 1
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Document Class: article 2023/05/17 v1.4n Standard LaTeX document class
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