Converting ipynb To and From Rmd

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Summary

- Some people prototype exclusively in either Jupyter Lab or RStudio. During each prototype hand off, this means someone is responsible for converting ipynb files to Rmd (usually the receiver). Fortunately, preferences do not have to slow progress :).

- I wrote a script that I run from command line to save me time and prevent headaches (e.g. when I TA). It wraps around Pål Bjartan's StackOverflow reply (thank you!).

- Submit feedback by creating a GitHub Issue at the `public-notes` repository. Thanks!

Requirements

- To convert ipynb files to Rmd files, I use R software: `R`, `argparse`, `knitr`, `rmarkdown`.

- For the reverse direction, I use python software: `jupytext`.

My virtual environments support both Python and R (see `ravi.yml` and my setup guide).

Usage

1. If you are converting an ipynb file to an Rmd file, download `convert_to_rmd.R`

2. Copy the file you want to convert to your Downloads folder.

3. Within Terminal, navigate to the file. E.g. run `cd ~/Downloads/` from Terminal.

4. Run one of the following from Terminal *after* activating the relevant environment.

```
Rscript convert_to_rmd.R  --ipynb_fpath="example.ipynb"  # ipynb to Rmd
jupytext --to notebook "example.Rmd"                      # Rmd to ipynb
```

5. Your desired file format will be saved to your Downloads directory.