Modelflow todo list

# March 7

1. The Repos download to make it a webrepo that would wrap the borader one and point to the WBG Repo  
   -.Worldbank\_Models() will download github.com/worldbank/MFMod-ModelFlow and place the repo in ./Worldbank models   
   This should take care of the branding issue.   
   The user can specify alternative repos and locations. Also she can delete the location before download at the same.   
   05\_WBModels/AccessingWBModels.ipynb has been modified to reflect this, but finalization awaits population of github.com/worldbank/MFMod-ModelFlow
2. Andrew standard scenarios
3. Ib show impacts of 20 oil [price shock) (with publication standard) just using basedf vs lastdf  
   .df\_plot() the twin to keep\_plot() has been created. It compares .basedf and .lastdf instead of the dataframes in .keep\_solutions  
   also the twins .keep\_show and .df\_show present a interactive widget.
4. Ib publish revised version of modelflow so I can update to it  
   Now version 2.22 is available. Both as modelflow (not pinned dependencies) and modelflow\_stable (for the end user. - with pinned dependencies)
5. Andrew test access code etc load some model into github.com/worldbank/MFMod-ModelFlow in order to produce output for use in JB.
6. Andrew look at the eigenvalue discussion and revise it
7. Ib to look at interactrive sectrion and make sure complete and think about separate chapter?
8. link to links i.e. in Tutorial section

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| --- | --- | --- | --- | --- |
| ☒ | New hidden setup cell | ib | Create a setup cell to inserted in all notebooks. To be hidden in the book  Create a setup notebook to be inserted in book which explains the setup cell |  |
| ☒ | New hidden colab cell | Ib | Create a colab cell to inserted in all notebooks. To be hidden in the book |  |
| ☐ | command reference | Ib | Expand the command reference |  |
| ☒ | Create docker image. | Ib |  |  |
| ☐ | Revise and expand index |  |  |  |
| x | Find reviewers |  | J-l Brillet and Dave Turner; Unnada |  |
| ☒ | Send to reviewers |  |  |  |
| ☐ | Hunt widgets in pdf | ib | Find non displaying widgets tag the cell for removal. Make image of the widget and insert new cell with image (For sure at end of report writing) |  |
| ☒ | Run box numbering | ib |  |  |
| ☒ | Fix problems in pdf. |  | Find empty pages and other problems and implement fixes in build.py so solutions are repeatable.  Acknowledgment page needs to appear in Front matter without ## titling |  |
| ☒ | Identify models to include in model example repos | Andrew | EAP : Indonesia (looks Good)  ECA : Ukraine (Croatia looks good)  MNA : Iraq Morocco  LAC : Bolivia or DR  SAR : Pakistan  SSA : Mauritania or  Place them on MSISIM005 |  |
|  | Should models be located in one or separate repos | Andrew Ib | Depends on how generic notebooks with examples and illustrations can be.  Download functionality in one repo  Will duplicate files on isimualate so they can be grabbed from there when users cant find them. |  |
| ☐ | Identify experiments to implement in notebooks | Andrew |  |  |
| ☐ | Onboard example models | Ib | PAK  IDN,  HRV, |  |
| ☐ | Create example notebooks for each model |  | Really the same as the above |  |
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Issues:

Can we get Acknowledgments to appear on separate page after \* or before (forward) – fixed in pdf not in web where is seems less important/Ib

The Index item Jupyter Notebook in html goes to a weird place.

The index at the beginning of the intro jupternotebook NB does not seem to be set up correctly.

**Note I have exposed the links []() because in the printed pdf version the URLs are not visible.   
use [link](link) to make it visible and clickable in acrobat reader links works use {cite:t} I have changed some but perpahs not all /Ib**

**Format of citations. Burns (2012). Burns [2012] Tricky, but fixed trhoug regex replacement in the pdf versing /Ib   
A**

**Updatecommand.ipynb** The header nums are not showing in pdf for this notebook only. Made .upd and .mfcalc to sections and revised headings/Ib

Modelflow-and-Pandas table rendering is much uglier in pdf than in the notebook. Yes, I cant find a good way to change that. In the web version css is used to format. That is not the case in latex /Ib

In updatecommand the graph illustrating keep growth are showing the horiz axis with half year periods indicated 2002.5 etc. How can we supress that. **Fixed plot(xticks=df.index).**

**AccessingWBModels** JN needs to be finished. Need to 1) decide on a temporary home for models; 2) have that home as part of the default in the widget but allow it to be overridden; 3) the display toc needs to be better documented, notably as to where the user is going to have their models saved on their personal machines and how they can customize that and tell the display\_toc where to find them. Finally not clear why we have to delete, why cannot user overwrite a repo that was already downloaded?

Box World Bank Models in WorkingwWBModels.ipynb did not render properly Fixed and all boxes are now in the index under boxes

Citations: we were using a formulation that returned Burns (2019), but somehow it has gone back to Burns [2019]. Be nice to get back to the (). Look above fixed in the pdf version

It looks like we may have lost the discussion of the behavioural equations \_X and \_D. Added in but it is repetitive may need some editing Across chapters) I think this is ok now.

## Latex issues:

### Dollar and align

Don’t use:   
$$  
\begin{align\*}

Only use:

\begin{align\*}

### Underbrace in two lines:

Simple new line works in notebook not in jupyterbook/latex

To have two lines in underbrace use:

\underbrace{y\\_X\_t}\_{\stackrel{\text{Exogenized}}{\text{value}}}

Or to have text with same (but larger) font. (not used)

\underbrace{\biggl[\hat{\alpha} + \hat{\beta} X\_t + y\\_A\_t\biggr]}\_{\begin{array}{c} \text{Econometric equation}\end{array}} + y\\_D\_t\cdot \underbrace{y\\_X\_t}\_{\begin{array}{c} \text{Exogenized} \\ \text{value} \end{array}}

## Other fixes

Execution failure: In MoreComplexScenarios mixup of bline and baseline, fixed

Execution failure: in eigenvalues , wrong call of eigplot\_all, not relevant anymore