Readme

### Please check author’s (Leo Krippner) webpage for original code and documentation: <http://www.rbnz.govt.nz/research_and_publications/research_programme/additional_research/5655249.html>

### Please Note: The results from the “Comparison of international monetary policy measures” in the above link are currently obtained using the K-ANSM(2) with an estimated lower bound method (i.e folder “C\_KANSM2\_Estimated\_LB” in the original code) and that only has been provided in Python here.

### Data Files

All the yield curve data files (i.e **A\_*Country*\_All\_Data\_Bloomberg.xlsm**) for the respective countries can be updated by opening the **.xlsm** files in the folder **“Data\_Files”** in a Bloomberg-enabled computer and then saving them in the format (**.xls**) and keeping it in the same folder as the main script (**AAA\_RUN\_KANSM2\_Est\_LB.py**)

For initial reproduction of results, sample data files (i.e **A\_*Country*\_All\_Data\_Bloomberg.xls**) for the respective countries have been provided till **November 2015.**

### Instructions for generating the results

### Generation of Yield curve data: data\_read.py script generates the spliced yield curve dataset (Govt. data spliced with the OIS data after a specific date) for a respective country (Line 61 in the code) in monthly, weekly and daily csv formats.

### Generation of Shadow rate and other results: AAA\_RUN\_KANSM2\_Est\_LB.py script generates the results in a csv format as in the “Comparison of international monetary policy measures” for a respective country (Line 27) in the desired frequency (Line 28).

**Please Note:** Currently the code uses given parameters (**FinalNaturalParameters\_*Country*.dat**) but you have the option (**Line 23**) of estimating it from the whole dataset, although the code running time becomes slower and needs to be optimized further.