Workflow and Software Documentation

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July 8, 2013

1 Resampling Workflow

Because it takes significant time to generate all the resampling data, this data is cached to save model coefficients generated from resampled data into files for each country and each model. The files are stored in a directory called data_resample.

A reasonable workflow is this:

```
1. source("Econ-Growth-Resampling.R")
```

2. Execute the function called genAllResampleData().

A typical call would be

```
genAllResampleData(method="wild", n=100)
```

3. Reload the data using one of the various "load" functions from file Econ-Growth-Functions2.R:

```
loadResampleData <- function(modelType, countryAbbrev, energyType, factor)
loadAllResampleData <- function(modelType, energyType, factor)
loadResampleDataRefitsOnly <- function(modelType, countryAbbrev, energyType, factor)
loadResampleDataBaseFitOnly <- function(modelType, countryAbbrev, energyType, factor)</pre>
```

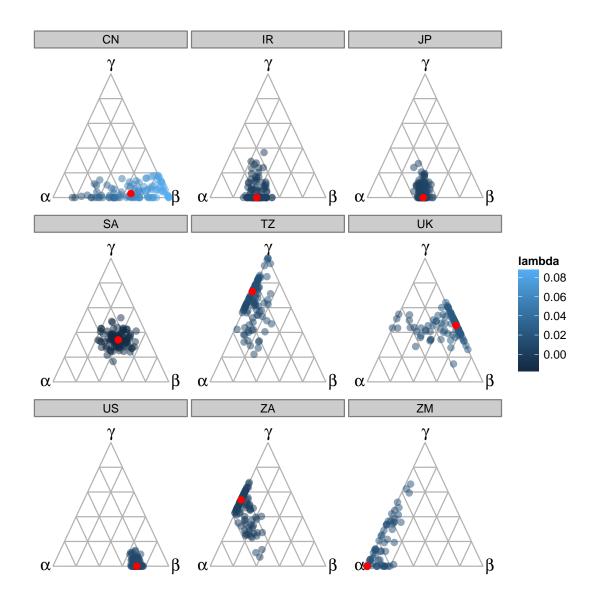
(a) A typical call for loadAllResampleData would be

```
loadAllResampleData(modelType="cde", energyType="Q")
```

(b) Another example:

```
head(loadAllResampleData(model="sf", factor="K"), n=5)
##
                           sse isConv method countryAbbrev
         lambda
## CN.1 0.06441 0.3224 0.1682
                                        orig
## CN.2 0.03082 0.6256 0.1373
                                        wild
                                                         CN
## CN.3 0.06157 0.3499 0.1654
                                        wild
                                                         CN
## CN.4 0.04590 0.4901 0.1918
                                                         CN
                                        wild
                                    1
## CN.5 0.04741 0.4768 0.1658
                                                         CN
```

4. Plots of resampling distributions can be made with triPlot().



Eventually, we can build a wrapper that loads the data and builds the plot with our favorite settings.