CGE Model web app user guide

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Home page

Home page provides user with the option to provide the name of the file containing SAM matrix for year 2020 in .xlsx format (input without .xlsx extension). Secondly, the app needs the user to provide a setting file containing a matrix of sectors and factors based on said SAM matrix (also in .xlsx format). Shown below is an example:

```
##   households factors inc_taxes goods_activities goods_commodities
## 1   HOU_0-30       K      DTAX            afarm             cfarm
## 2  HOU_30-60       L      <NA>            afish             cfish
## 3  HOU_60-90    <NA>      <NA>             amin              cmin
## 4  HOU_90-95    <NA>      <NA>            afore             cfore
## 5 HOU_95-100    <NA>      <NA>          aoilext           coilext
## 6        GOV    <NA>      <NA>          asmwork           csmwork
```

After providing the dataset, user can choose the values of both capital and labour shocks (values from -1 to 1) occuring each year. The results for each next year are calculated based on results for previous year. E.g. in year 2020 a capital shock of value 0.3 takes place and the next year a labour shock of value -0.7 occurs. The values for year 2021 are calculated on results of previous year's shock.

Should you have any doubts about what a SAM matrix or capital and labour shocks are, we strongly encourage you to read this article to get the gist.

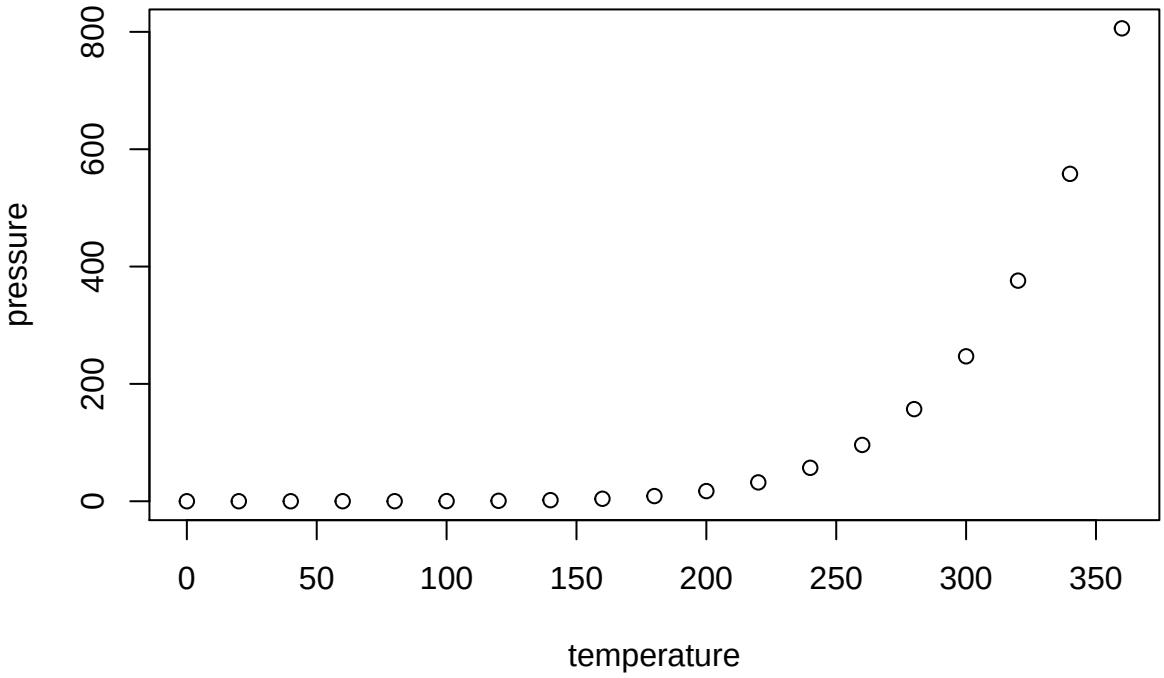
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.