

USING GVIEW TO BROWSE GTAP DATA

GView

GView is a software developed by Mark Horridge, and it is a simplified ViewHAR with one extra feature: it can display encrypted files but it does not allow exporting of data from such file. GView can also display ordinary HAR files. Anyone can use GView to look at various contents of the encrypted GTAP data supplied in the section below.

GView may be downloaded from

<http://www.gtap.agecon.purdue.edu/products/utilities/GView/default.asp> .

The encrypted GTAP data

We offer three different aggregations of the encrypted GTAP data for user's choice. The first two aggregations are available in the default installation of GView. A larger aggregation may be downloaded separately from the GView page on the GTAP Web site.

- (1) fully disaggregated 57 sectors and 66 regions of the GTAP Data release 5

v5_full.zip: GTAP Base Data (gdb57_66.hrx)
GTAP View Data (gdv57_66.hrx)
Sector Description (v5_57sec.txt)
Region Description (v5_66reg.txt)

- (2) 10 sectors x 66 regions aggregation

v5_10sec.zip: GTAP Base Data (gdb10_66.hrx)
GTAP View Data (gdv10_66.hrx)
Sector Aggregation Mapping (v5_10sec.txt)

- (3) 57 sectors x 10 regions aggregation

v5_10reg.zip: GTAP Base Data (gdb57_10.hrx)
GTAP View Data (gdv57_10.hrx)
Sector Description (v5_10reg.txt)

Each one of the aggregation set has the GTAP Base Data and the GTAP View Data, which is derived from the GTAP Base Data to show summary variables of macroeconomic aspect of the GTAP data as well as cost structures etc.

Mapping file for the aggregation is also included in the ZIP file. Alternatively, for sector and region description, you can visit the following pages in our GTAP Web site

<http://www.gtap.agecon.purdue.edu/databases/v5/default.asp>

An Example

- (1) Start GView

By double-clicking GView.exe, you can run GView. You will see the GemView window like this one.

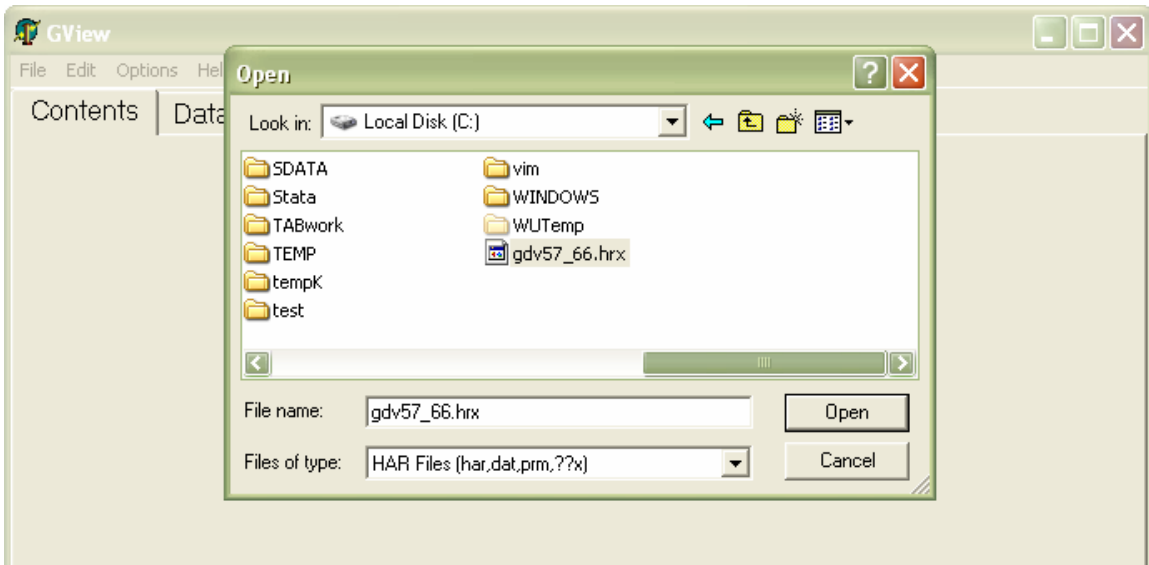


(2) Open the GTAP View data

Here, we will open the GTAP View Data that summarizes macro economic aspect of GTAP data. From the drop-down menu, chose File | Open.

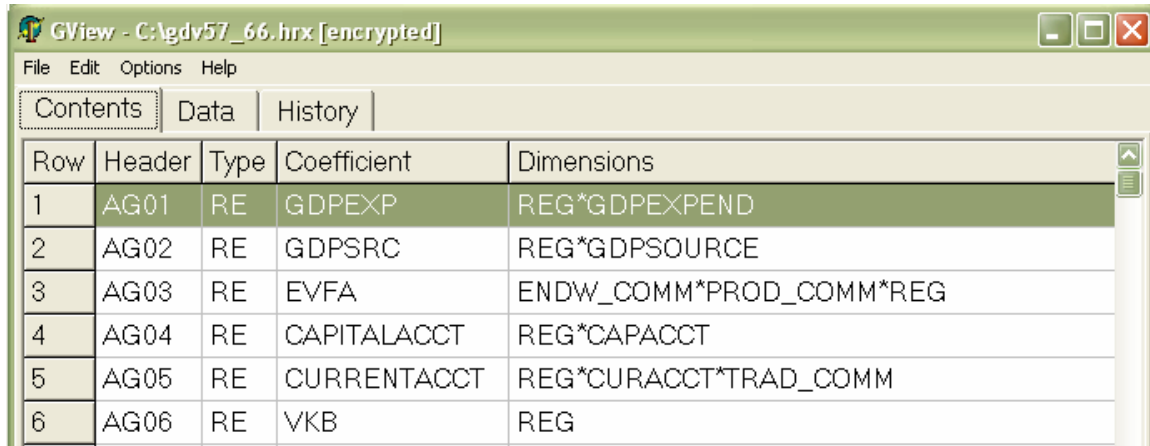


A pop-up window appears to choose a file to look. For example, let's open the GTAP View Data file at **c:\gdv57_66.hrx**. Select the file and click Open button.



This is the screen looks like right after open the GTAP View Data file. Notice the word [encrypted] at the top of the window. This means that the GTAP View Data file is encrypted as display-only, so we can see any contents in this file but we can not do "copy-paste" operation. To make sure, let's try copying the data.

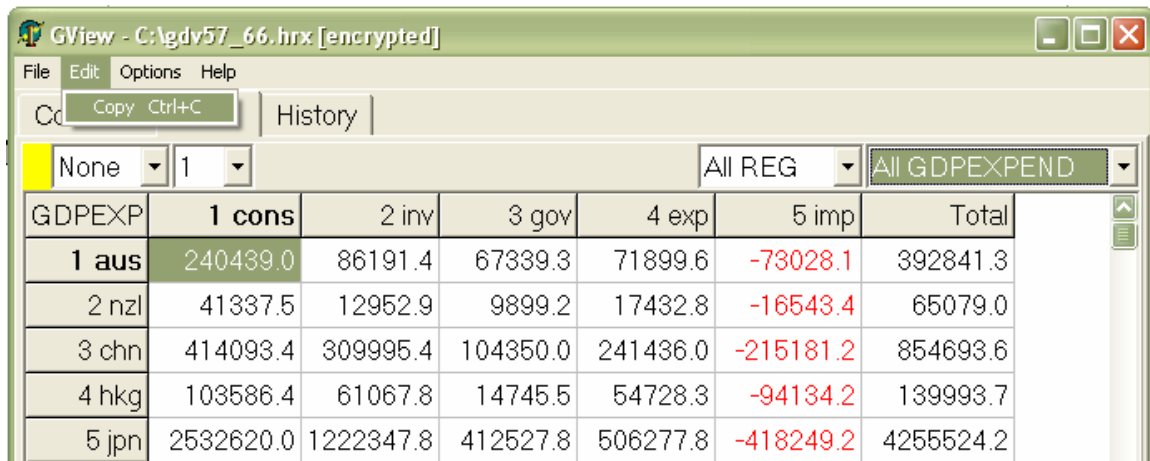
First, double-click the first row highlighted: AG01 RE GDPEXP REG* GDPEXPEND



Row	Header	Type	Coefficient	Dimensions
1	AG01	RE	GDPEXP	REG*GDPEXPEND
2	AG02	RE	GDPSRC	REG*GDPSOURCE
3	AG03	RE	EVFA	ENDW_COMM*PROD_COMM*REG
4	AG04	RE	CAPITALACCT	REG*CAPACCT
5	AG05	RE	CURRENTACCT	REG*CURACCT*TRAD_COMM
6	AG06	RE	VKB	REG

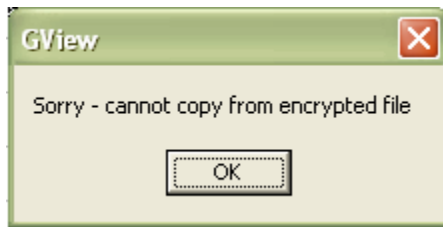
GView shows the content of GDPEXP, decomposition of the GDP from expenditure side. We can see expenditure components across column, such as consumption (**1 cons**), investment (**2 inv**), government expenditure (**3 gov**), exports (**4 exp**), imports (**5 imp**), and **total**. Region / country is listed in row, for example Australia (**1 aus**), New Zealand (**2 nzl**), China (**3 chn**), Hong Kong (**4 hkg**), Japan (**5 jpn**) and so on .

Try copying this content by choosing **Edit | Copy** from the drop-down main menu.



GDPEXP	1 cons	2 inv	3 gov	4 exp	5 imp	Total
1 aus	240439.0	86191.4	67339.3	71899.6	-73028.1	392841.3
2 nzl	41337.5	12952.9	9899.2	17432.8	-16543.4	65079.0
3 chn	414093.4	309995.4	104350.0	241436.0	-215181.2	854693.6
4 hkg	103586.4	61067.8	14745.5	54728.3	-94134.2	139993.7
5 jpn	2532620.0	1222347.8	412527.8	506277.8	-418249.2	4255524.2

then, a pop-up window appears...



We can't copy from the encrypted GTAP View Data. But remember that we can see any content in the GTAP data, and also we can calculate row share or column share that reveals useful information.

Let's try to compute row shares and column share.

GView - C:\gdv57_66.hrx [encrypted]

File Edit Options Help

Contents Data History

None 1 All REG All GDPEXPEND

	1 cons	2 inv	3 gov	4 exp	5 imp	Total
Row	240439.0	86191.4	67339.3	71899.6	-73028.1	392841.3
Col	41337.5	12952.9	9899.2	17432.8	-16543.4	65079.0
3 chn	414093.4	309995.4	104350.0	241436.0	-215181.2	854693.6
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Choose “**Row**” from the drop-down box, we will get row share of each GDP expenditure components. We can see that in Australia share of consumption to GDP is 61.2 % (**1 aus, 1 cons**), while in China 48.4 % (**3 chn, 1 cons**).

GView - C:\gdrv57_66.hrx [encrypted]

File Edit Options Help

Contents Data History

Row 1

GDPEXP	1 cons	2 inv	3 gov	4 exp	5 imp	Total
1 aus	0.612	0.219	0.171	0.183	-0.186	1.000
2 nzl	0.635	0.199	0.152	0.268	-0.254	1.000
3 chn	0.484	0.363	0.122	0.282	-0.252	1.000
4 hkg	0.740	0.436	0.105	0.391	-0.672	1.000
5 jpn	0.595	0.287	0.097	0.119	-0.098	1.000

For column share, choose “Col” from the drop-down box.

GView - C:\gdrv57_66.hrx [encrypted]

File Edit Options Help

Contents Data History

Row 1 All REG All GDPEXPEND

None	cons	2 inv	3 gov	4 exp	5 imp	Total
Row	0.612	0.219	0.171	0.183	-0.186	1.000
Col	0.635	0.199	0.152	0.268	-0.254	1.000
Matrix	0.484	0.363	0.122	0.282	-0.252	1.000
3 chn	0.740	0.436	0.105	0.391	-0.672	1.000
4 hkg	0.595	0.287	0.097	0.119	-0.098	1.000
5 jpn						

GView - C:\gdrv57_66.hrx [encrypted]

File Edit Options Help

Contents Data History

Col 1 All REG All GDPEXPEND

GDPEXP	1 cons	2 inv	3 gov	4 exp	5 imp	Total
1 aus	0.013	0.014	0.015	0.011	0.011	0.014
2 nzl	0.002	0.002	0.002	0.003	0.003	0.002
3 chn	0.023	0.050	0.024	0.038	0.034	0.029
4 hkg	0.006	0.010	0.003	0.009	0.015	0.005
5 jpn	0.138	0.196	0.095	0.079	0.065	0.147

65 xss	0.007	0.004	0.004	0.006	0.008	0.005
66 xrw	0.012	0.008	0.006	0.006	0.009	0.009
Total	1.000	1.000	1.000	1.000	1.000	1.000

AG01 Size: REG*GDPEXPEND GDPEXP = C + I + G + X - M, GDP from the expenditure side

Scrolling down the table, we see these numbers are column shares. Japanese exports consist 7.9 % of the world exports (**5 jpn, 4 exp**) and her imports 6.5% (**5 jpn, 5 imp**).

You can also compute matrix share, if you like, by choosing “**Matrix**” from the drop-down box. There is more information in the GTAP data you can explore by using GView.

Enjoy and happy GViewing!