1. Intro to Statistical Analytics System

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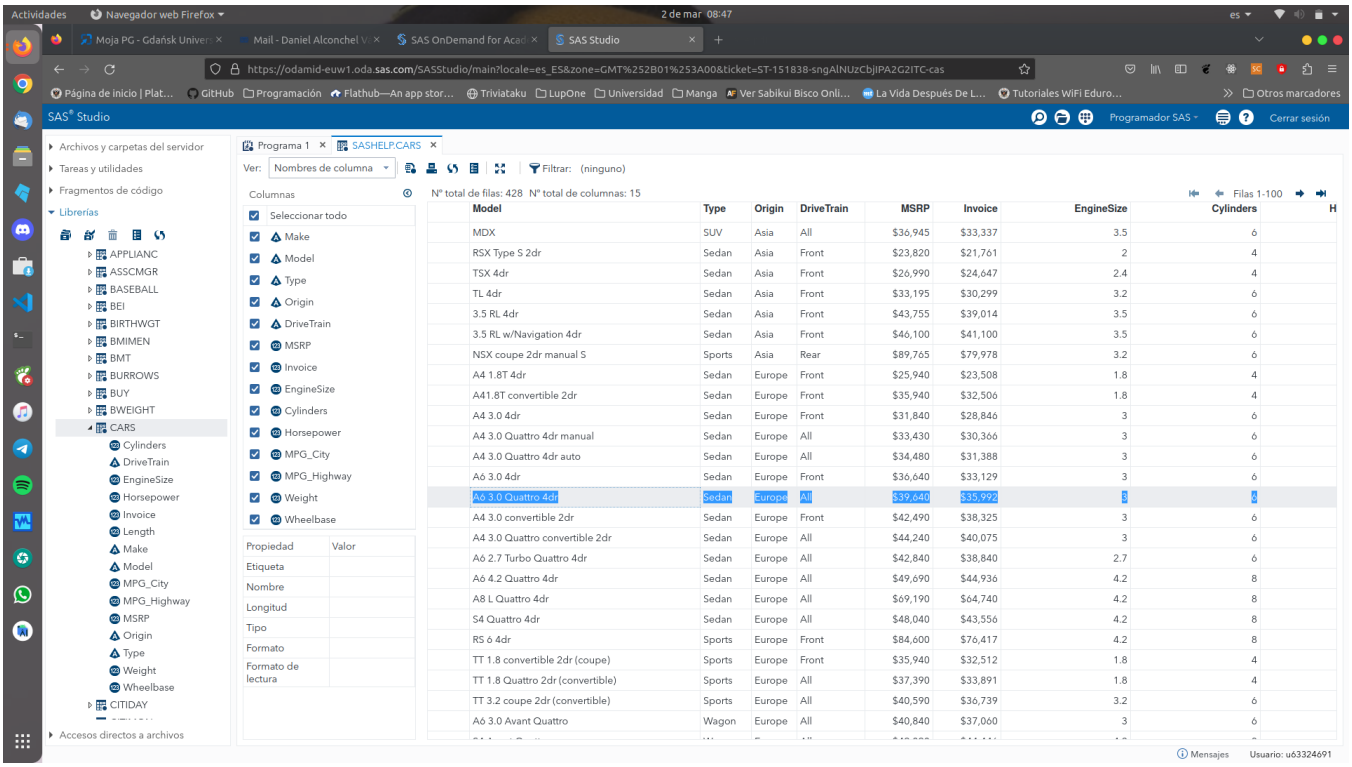
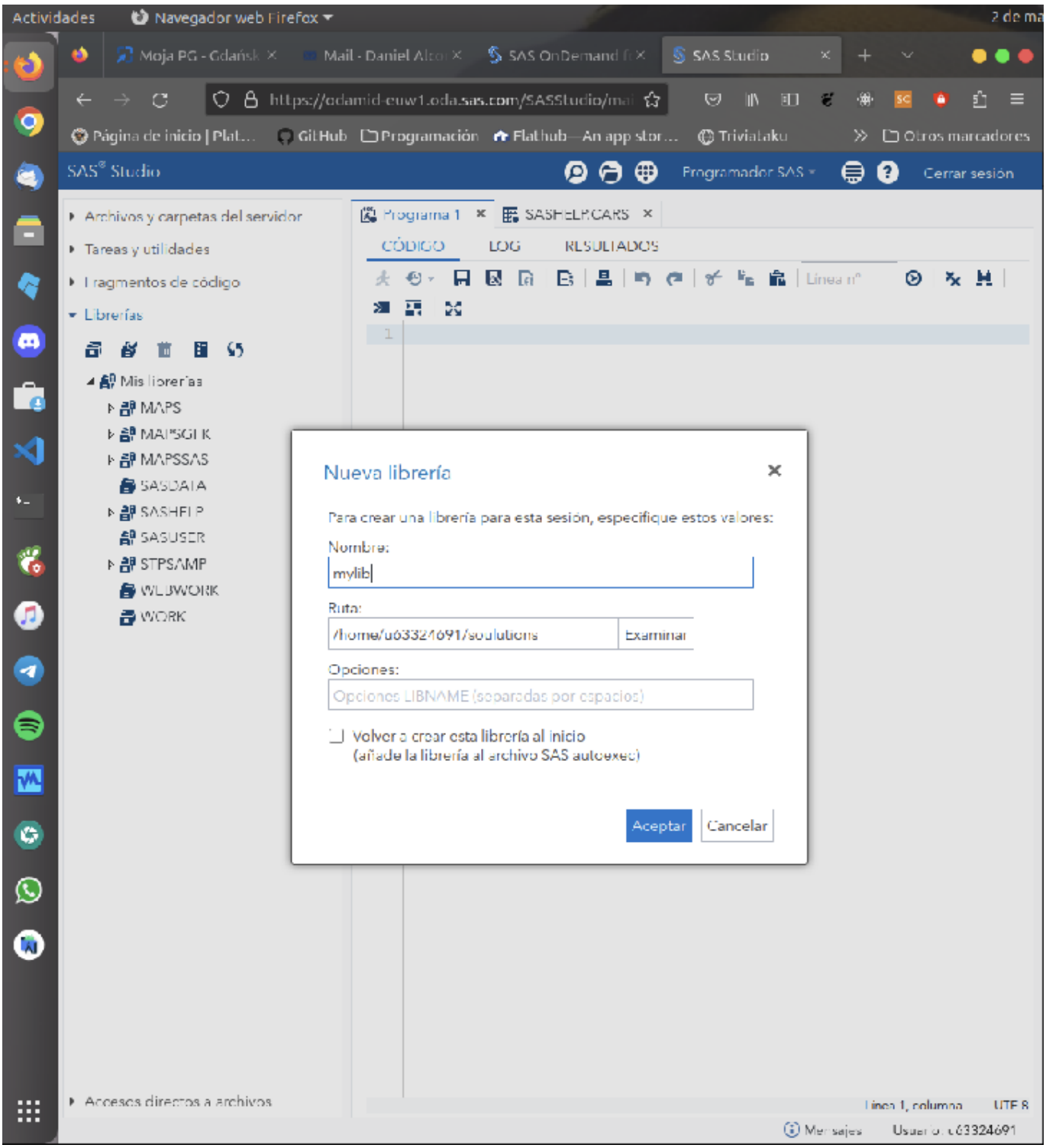
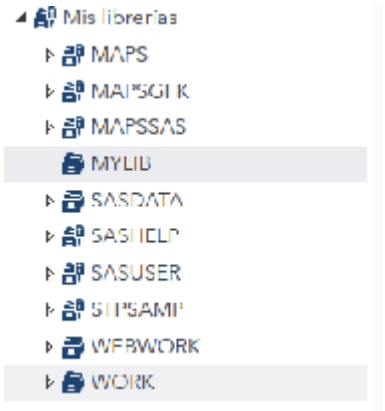
Exercise 1. Find library SASHELP and table CARS. Check what is the engine size of A6 3.0 Quattro 4dr.



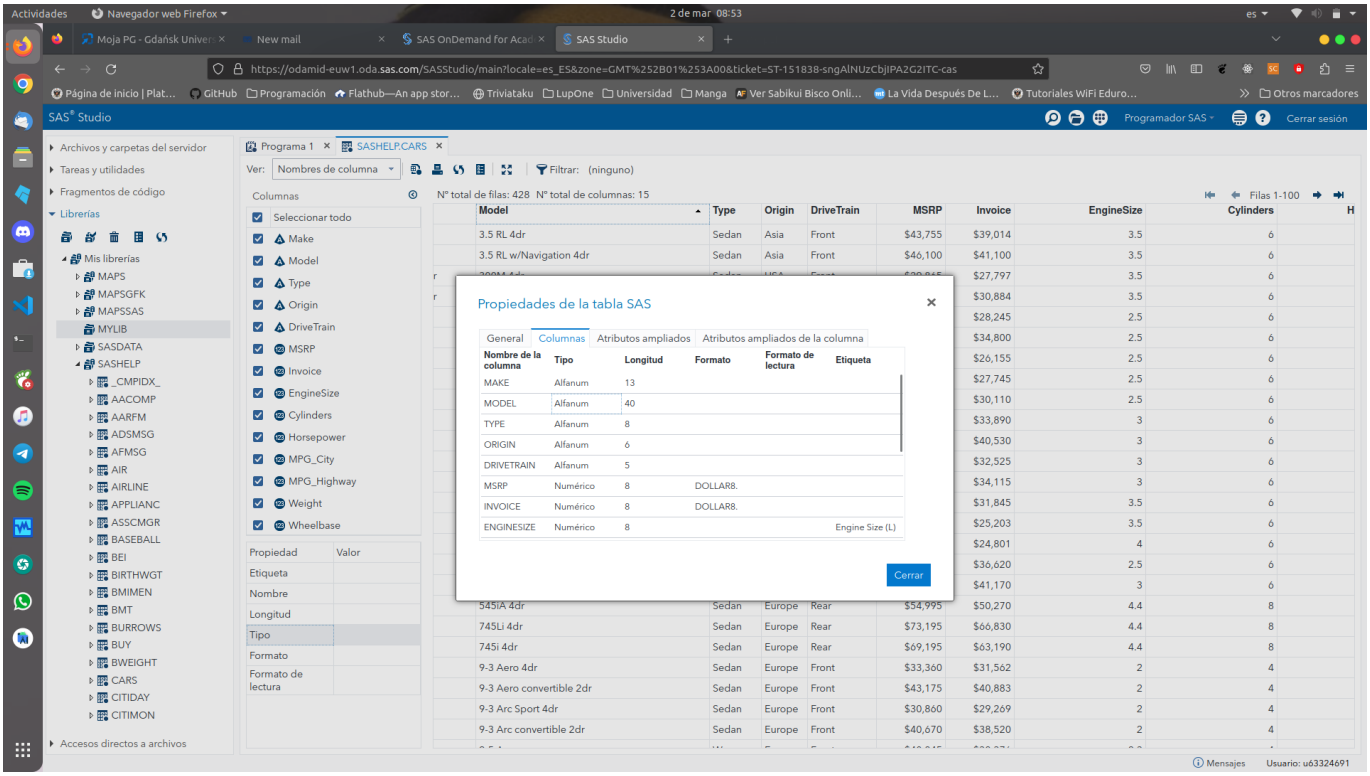
Exercise 2. Create library mylib assigned to the folder soulutions (create it if it does not exist).


Actividades
Navegador web Firefox
Moja PG - Gdańsk
Mail - Daniel Alto
SAS OnDemand f
SAS Studio
https://odamid-euw1.oda.sas.com/SASStudio/mai
Página de inicio | Plat...
GitHub
Programación
Flathub—An app stor...
Triviataku
Otros marcadores
SAS® Studio
Programador SAS
Cerrar sesión
Archivos y carpetas del servidor
Tareas y utilidades
Fragmentos de código
Librerías
Mis librerías
MAPS
MAPSGLK
MAPSSAS
SASDATA
SASHELP
SASUSER
STPSAMP
WEBWORK
WORK
Accesos directos a archivos
Programa 1
SASHELP.CARS
CÓDIGO
LOG
RESULTADOS
Línea nº
Nueva librería
Para crear una librería para esta sesión, especifique estos valores:
Nombre:
mylib
Ruta:
/home/u63324691/soulutions
Examinar
Opciones:
Opciones LIBNAME (separadas por espacios)
Volver a crear esta librería al inicio
(añade la librería al archivo SAS autoexec)
Aceptar
Cancelar
Línea 1, columna
UTF 8
Mensajes
Usuario: u63324691



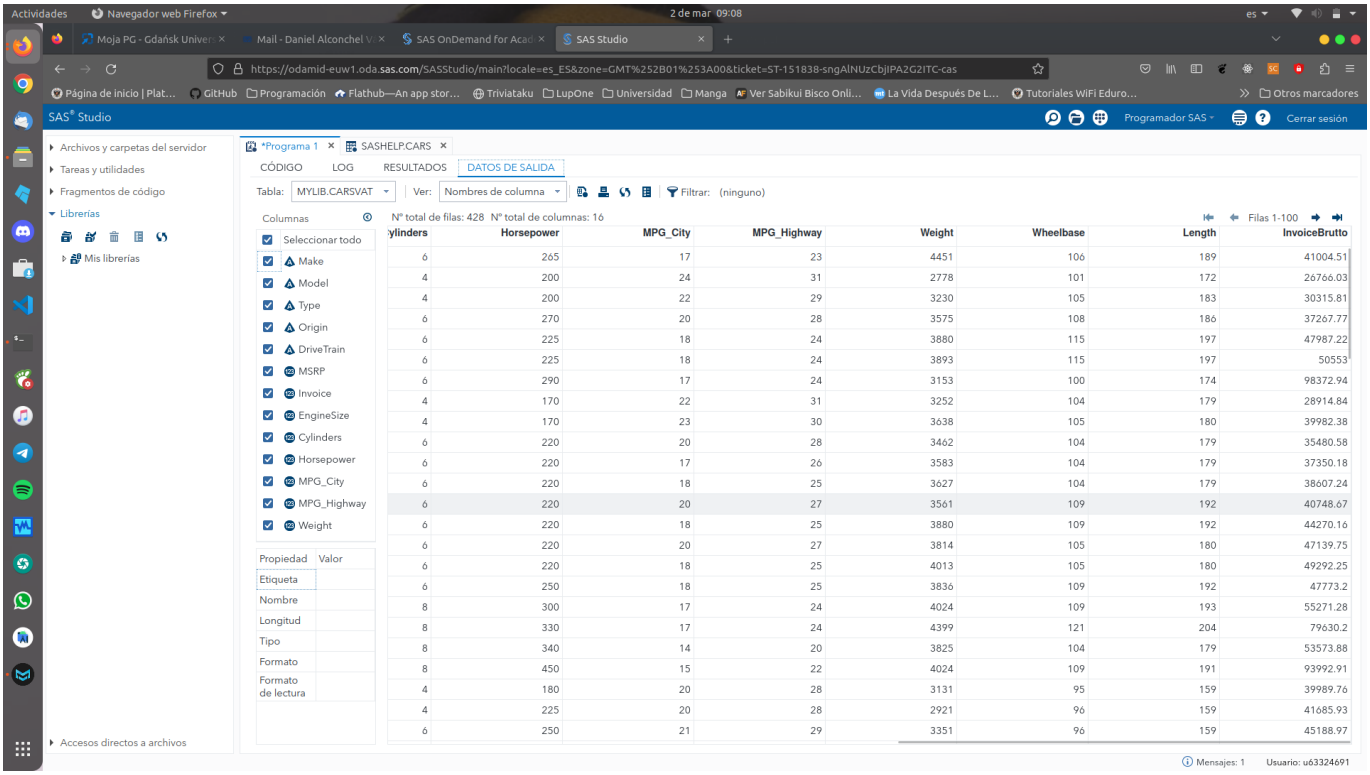
Exercise 3. Check attributes of the variable MODEL from SASHELP.CARS.

The type is *alfanum*.



Exercise 4. Read table sashelp.cars and create new table CarsVat, which contains variables from sashelp.cars and new variable InvoiceBrutto=1.23*Invoice.

```
data mylib.CarsVat;
set sashelp.cars;
InvoiceBrutto=1.23*Invoice;
run;
```

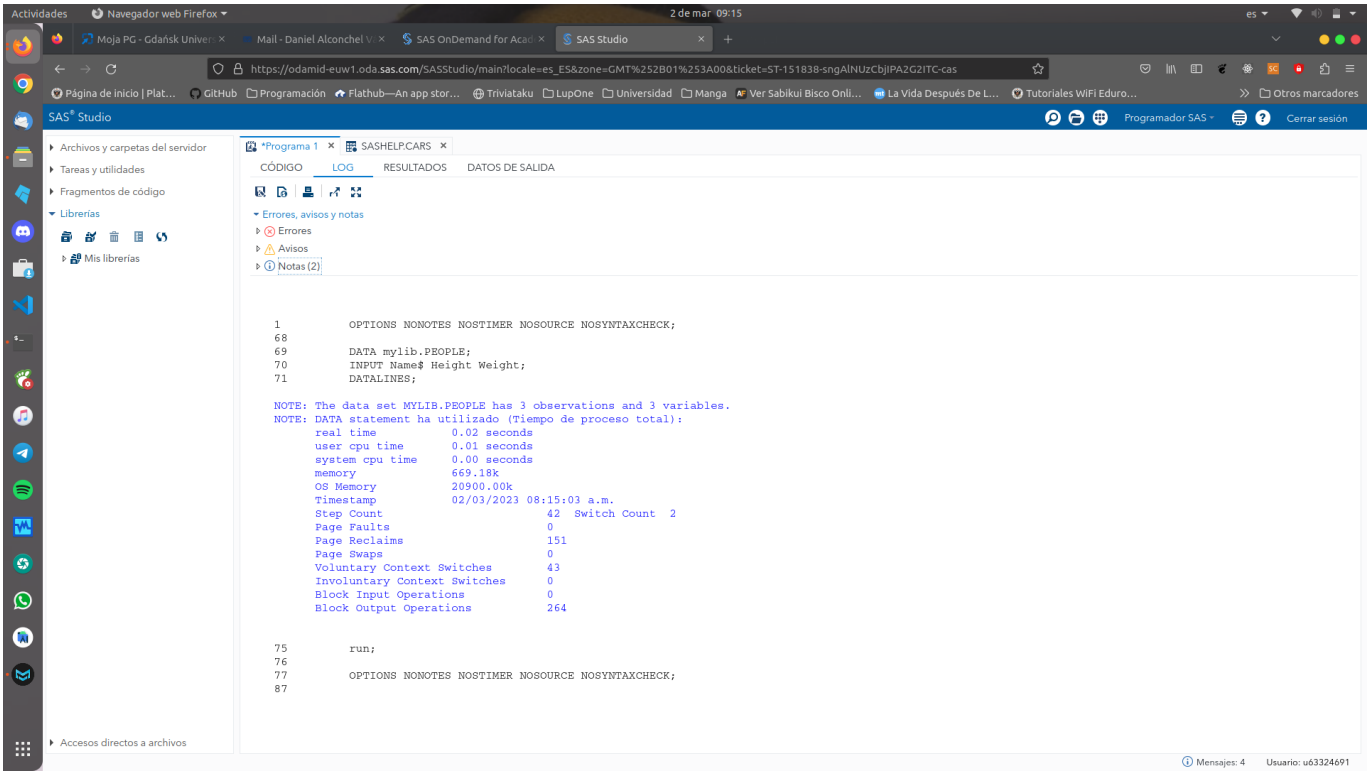


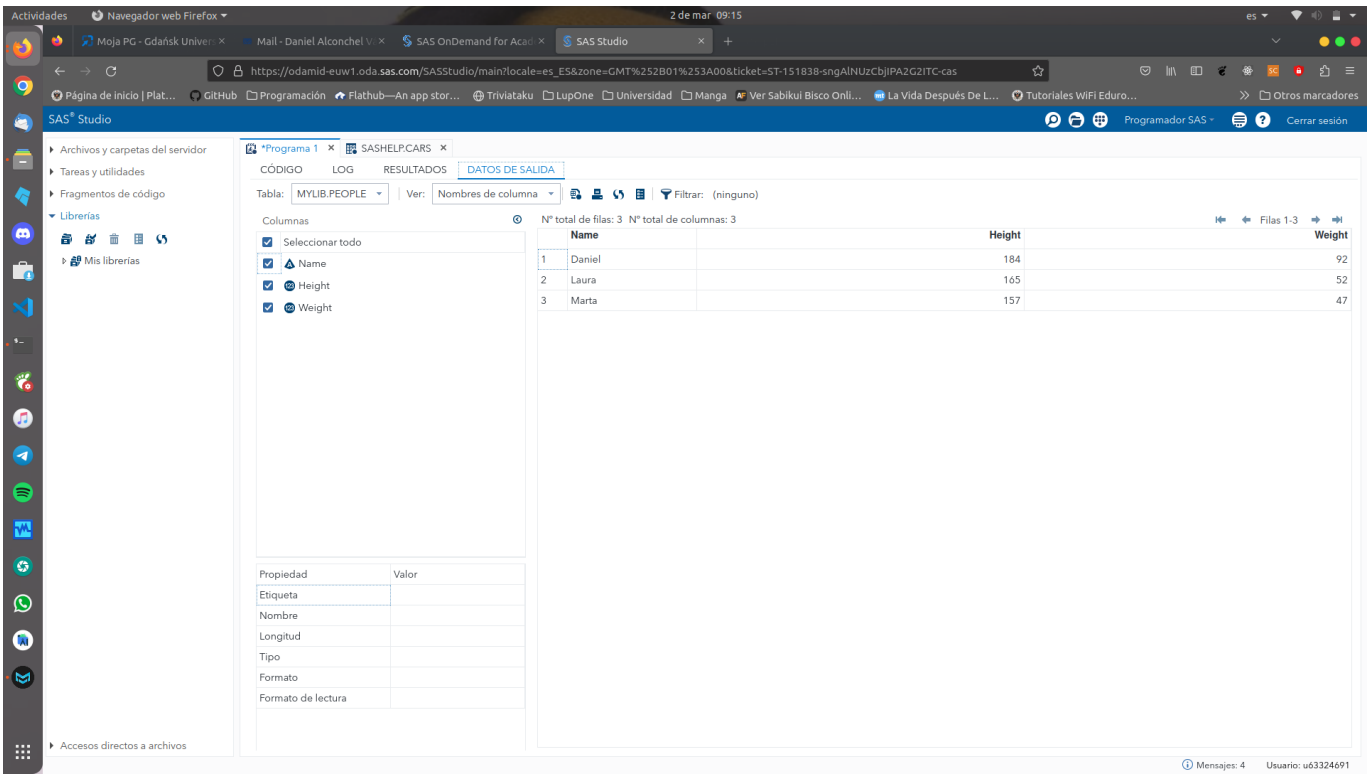
ylinders	Horsepower	MPG_City	MPG_Highway	Weight	Wheelbase	Length	InvoiceBrutto
6	265	17	23	4451	106	189	41004.51
4	200	24	31	2778	101	172	26766.03
4	200	22	29	3230	105	183	30315.81
6	270	20	28	3575	108	186	37267.77
6	225	18	24	3880	115	197	47987.22
6	225	18	24	3893	115	197	50553
6	290	17	24	3153	100	174	98372.94
4	170	22	31	3252	104	179	28914.84
4	170	23	30	3638	105	180	39982.38
6	220	20	28	3462	104	179	35480.58
6	220	17	26	3583	104	179	37350.18
6	220	18	25	3627	104	179	38607.24
6	220	20	27	3561	109	192	40748.67
6	220	18	25	3880	109	192	44270.16
6	220	20	27	3814	105	180	47139.75
6	220	18	25	4013	105	180	49292.25
6	250	18	25	3836	109	192	47773.2
8	300	17	24	4024	109	193	55271.28
8	330	17	24	4399	121	204	79630.2
8	340	14	20	3825	104	179	53573.88
8	450	15	22	4024	109	191	93992.91
4	180	20	28	3131	95	159	39989.76
4	225	20	28	2921	96	159	41685.93
6	250	21	29	3351	96	159	45188.97

Exercise 5. In mylib library create table PEOPLE with variables NAME, HEIGHT and WEIGHT. Add some example datalines. Then create data set BMITABLE, which contains variables from table PEOPLE and new variable BMI (bmi = weight/((height/100) ∗ ∗2);). PUT in log:

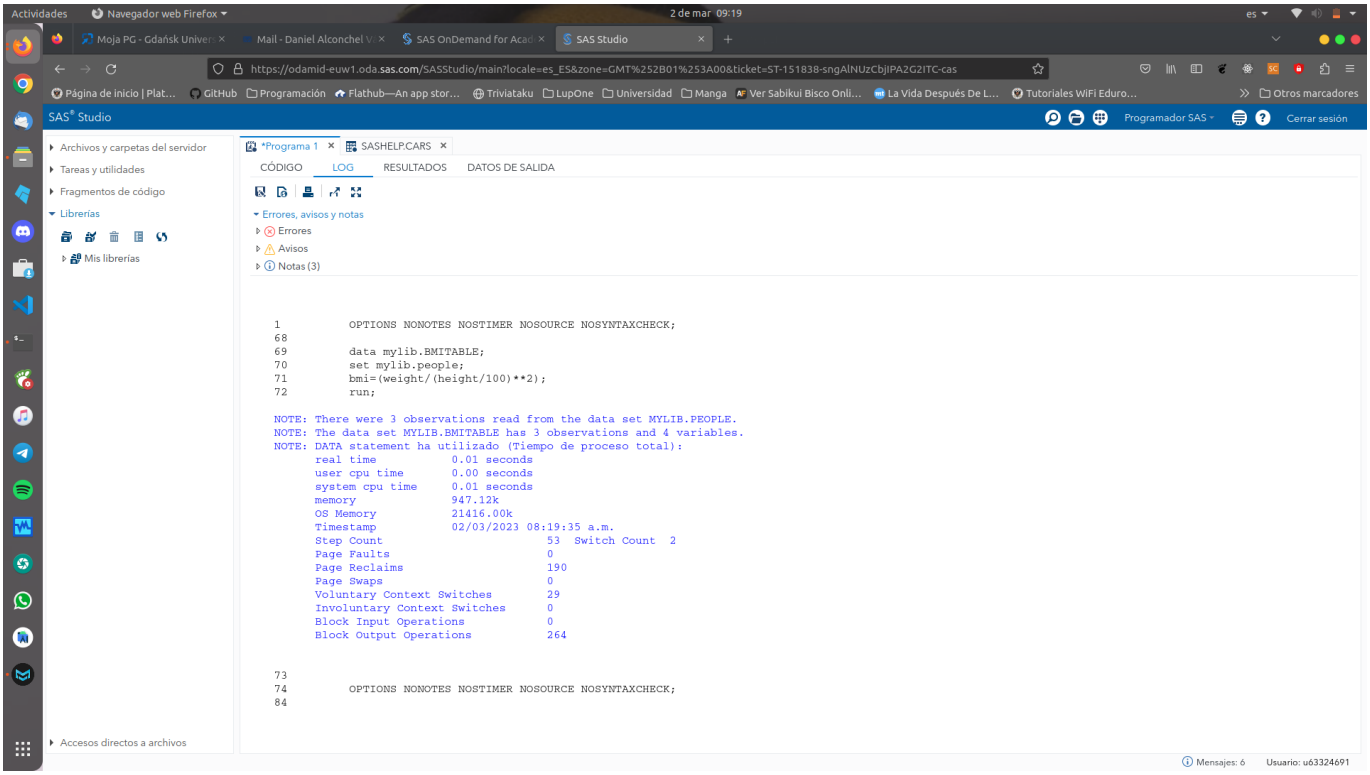
- all variables and all observations (PDV vectors) from table BMITABLE.
- variables NAME and BMI

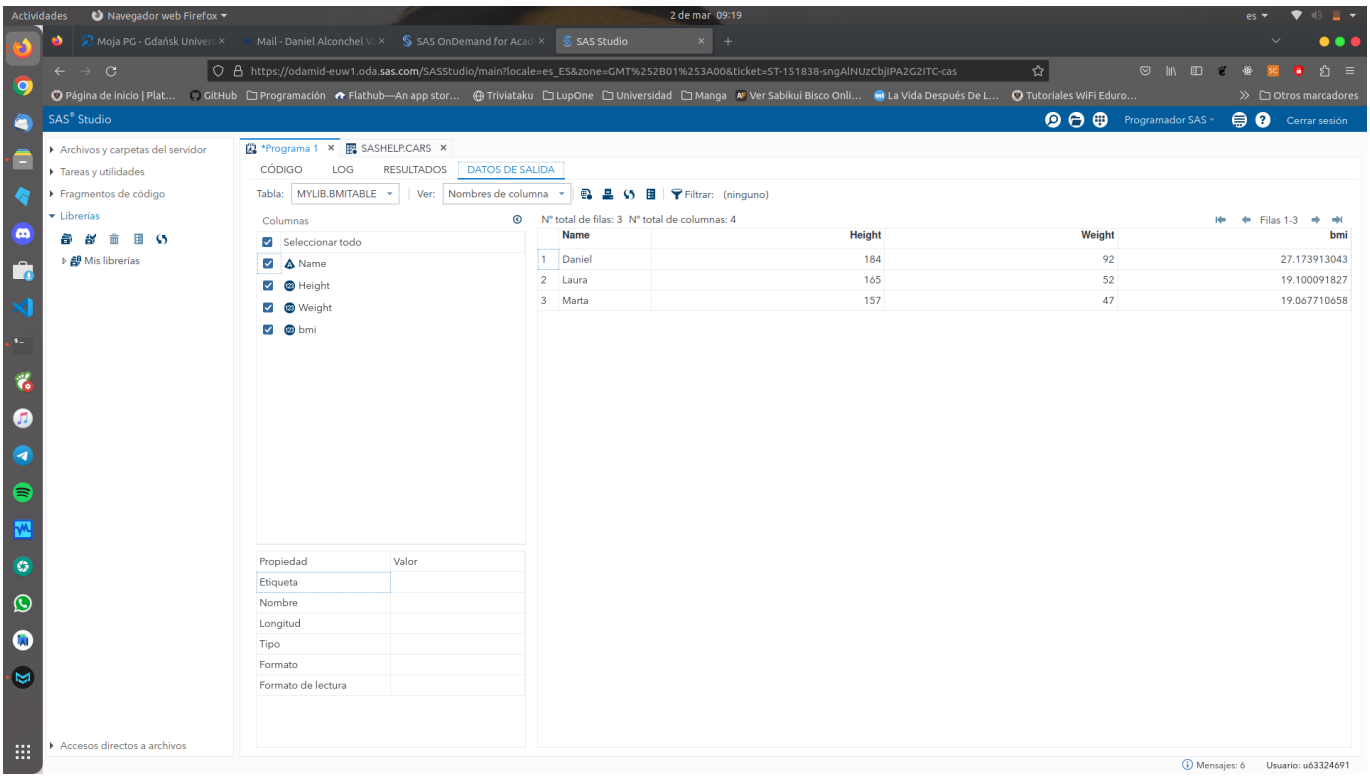
```
DATA mylib.PEOPLE;
    INPUT Name$ Height Weight;
    DATALINES;
    Daniel 184 92
    Laura 165 52
    Marta 157 47
run;
```






```
data mylib.BMITABLE;
set mylib.people;
bmi=(weight/(height/100)**2);
run;
```





We can edit the variables we want to see using this interface or addind `put name bmi;` before `run` to the code.