

9125

```
/* Ejercicio 1 */  
libname carp1 "C:\Users\... \Desktop\SAS\Examen2";
```

```
proc contents data=carp1.vehiculos; run;  
proc print data = carp1.vehiculos; run;
```

```
/* a,b,d */  
OPTIONS FMTSEARCH = (carp1);  
data carp1.vehiculosf;  
set carp1.vehiculos;  
if missing(distrito)=1 then distrito='-1';  
if missing(antiguedad)=1 then antiguedad='-1';  
data_acc = MDY(mes,dia,anyo);  
format distrito $dt. data_acc DDMMYY10.;  
run;  
proc print data = vehiculosf; run;
```

1'5

mal! hay que pasar '-1' a '.'

```
proc means data=carp1.vehiculos mean median var ;  
var antiguedad;  
run;
```

```
/* Ejercicio 2 */  
proc sort data = carp1.encuesta (rename = (expe=expedient));  
by expedient;  
run;  
proc sort data = carp1.vehiculosf;  
by expedient;  
run;
```

```
data carp1.vehic_enq;  
merge carp1.vehiculosf carp1.encuesta;  
by expedient;  
run;
```

falta seleccionar a los individuos

1'75

```
/* Ejercicio 3 */  
data carp1.vehic_enq;  
set carp1.vehic_enq;  
if missing(x1)+ missing(x2)+missing(x3)+missing(x4)+missing(x5) <=1  
then media = mean(of x1--x5);  
else media = -99;  
array V(5) x1-x5;  
do i=1 to 5;  
    if missing(V(i))=1 & missing(x1)+ missing(x2)+missing(x3)+missing(x4)+missing(x5) <=1  
then V(i)=media;  
end;  
drop i;  
run;
```

2

```
/* Ejercicio 4 */  
%MACRO GRAFF(NUM, BBDD);  
*first part, to obtain the new bd;  
PROC SURVEYSELECT DATA=carp1.vehic_enq OUT=&BBDD METHOD=SRS SAMPSIZE=&NUM SEED=1234567;  
RUN;
```

2

```
*2,3,4: do the plots;  
%do i = 1 %to 5;  
%do j = 1 %to 5;
```

```

if &i<&j %then %do;
PROC GPLOT DATA = &BBDD;
TITLE 'Diagrama de dispersión de ' x&i 'con ' x&j;
SYMBOL1 v=triangle c=blue;
PLOT x&i*x&j;
RUN;
end;
end;
end;
drop i j;
OPTIONS RESET = ALL;
&MEND GRAFF;

```

```

&GRAFF(10,muestra);

```

```

PROC GPLOT DATA = carp1.vehic_enq;
TITLE 'Diagrama de dispersión de ' x1 'con ' x2;
SYMBOL1 v=triangle c=blue;
PLOT x1*x2;
RUN;

```

```

/* Ejercicio 5 */

```

```

proc iml;
a = {1 2 3,
5 3 9,
3 1 0,
5 4 3};
b = mean(a`);
print b;

```

2

```

notas = a||b;
names = {nota1, nota2, nota3, notam};
create notasdef from notas[colname = names];
append from notas;
close notasdef;

quit;

```