

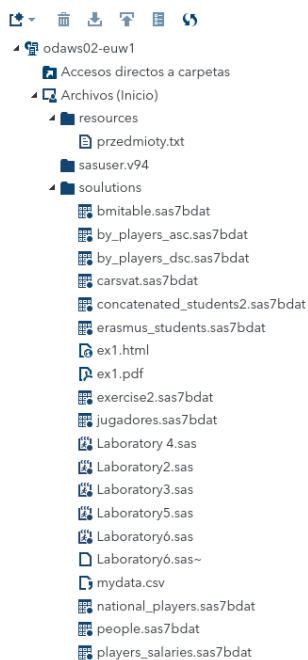
6. Reports

Daniel Alconchel Vázquez

Exercise 1. Create html, pdf and listing reports abouts teams and salaries for first 14 players from the table *sashelp.baseball*. Use variable labels as column headings. In your html report:

- set style of column headings: italic font size, white color of font and nice color of background.
- let blank line between observations.

```
option obs=14;
ods html file='/home/u63324691/soulutions/ex1.html';
proc print data=sashelp.baseball
    style(header)={fontstyle=italic color=white backgroundcolor=dab}
    blankline=(count= 1);
    var name team salary;
    title 'SASHELP.BASEBALL HTML 14 observations';
run;
```



CÓDIGO LOG RESULTADOS

Tabla de contenido

SASHELP.BASEBALL HTML 14 observations

Obs	Name	Team	Salary
1	Allanson, Andy	Cleveland	.
2	Ashby, Alan	Houston	475.00
3	Davis, Alan	Seattle	480.00
4	Dawson, Andre	Montreal	500.00
5	Galaraga, Andres	Montreal	91.50
6	Griffin, Alfredo	Oakland	750.00
7	Newman, Al	Montreal	70.00
8	Salazar, Argenis	Kansas City	100.00
9	Thomas, Andres	Atlanta	75.00
10	Thornton, Andre	Cleveland	1100.00
11	Trammell, Alan	Detroit	517.14
12	Trevino, Alex	Los Angeles	512.50
13	Van Slyke, Andy	St Louis	550.00
14	Wiggins, Alan	Baltimore	700.00

```

options obs=14;
ods html close;
ods listing;
proc print data=sashelp.baseball double;
    var name team salary;
    title 'SASHELP.BASEBALL LISTING 14 observations';
run;
ods listing close;

```

SASHELP.BASEBALL LISTING 14 observations

Obs	Name	Team	Salary
1	Allanson, Andy	Cleveland	.
2	Ashby, Alan	Houston	475.00
3	Davis, Alan	Seattle	480.00
4	Dawson, Andre	Montreal	500.00
5	Galarraga, Andres	Montreal	91.50
6	Griffin, Alfredo	Oakland	750.00
7	Newman, Al	Montreal	70.00
8	Salazar, Argenis	Kansas City	100.00
9	Thomas, Andres	Atlanta	75.00
10	Thornton, Andre	Cleveland	1100.00
11	Trammell, Alan	Detroit	517.14
12	Trevino, Alex	Los Angeles	512.50
13	Van Slyke, Andy	St Louis	550.00
14	Wiggins, Alan	Baltimore	700.00

```

options obs=14;
ods html close;
ods pdf file='/home/u63324691/soulutions/ex1.pdf';
proc print data=sashelp.baseball;
    var name team salary;
    title 'SASHELP.BASEBALL PDF 14 observations';
run;
ods pdf close;

```

- odaws02-euw1
 - Accesos directos a carpetas
 - Archivos (Inicio)
 - resources
 - przedmioty.txt
 - sasuser.v94
 - solutions
 - bmitable.sas7bdat
 - by_players_asc.sas7bdat
 - by_players_dsc.sas7bdat
 - carsvat.sas7bdat
 - concatenated_students2.sas7bdat
 - erasmus_students.sas7bdat
 - ex1.html
 - ex1.pdf
 - exercise2.sas7bdat
 - jugadores.sas7bdat
 - Laboratory 4.sas
 - Laboratory2.sas
 - Laboratory3.sas
 - Laboratory5.sas
 - Laboratory6.sas
 - Laboratory6.sas~
 - mydata.csv
 - national_players.sas7bdat
 - people.sas7bdat

Exercise 2. Using the following table create html and rtf reports with scores for each subject. Suppress the printing of observation numbers at the beginning of the rows. Add title: 'Scores grouped by subjects' and second title: '(1-calculus, 2-algebra, 3-topology)'. Associate labels 'Students' and 'Subjects' with variables students id and sub- jects id. Use labels as a column headings. Change style of headings kol1, kol2, kol3 and kol4 to have every bacground header in different colour. Print the number of observations in the last row of your report.

```
proc sort data=scores;
by subjects_id;
run;
ods html file='/home/u63324691/soulutions/ex2.html';
proc print data=scores n noobs label
    style(header)={fontstyle=italic backgroundcolor=red color=white};
by subjects_id;
label    students_id='Students'
          subjects_id='Subjects';
title 'Scores grouped by subjects';
title2 '(1-calculus, 2-algebra, 3-topology)';
run;
ods html close;
ods html file='/home/u63324691/soulutions/ex2.rft';
proc print data=scores n noobs label
    style(header)={fontstyle=italic backgroundcolor=red color=white};
by subjects_id;
label    students_id='Students'
          subjects_id='Subjects';
title 'Scores grouped by subjects';
title2 '(1-calculus, 2-algebra, 3-topology)';
run;
```

Archivos y carpetas del servidor

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 - concatenated_students2.sas7bdat
 - erasmus_students.sas7bdat
 - ex1.html
 - ex1.pdf
 - ex2.html
 - ex2.rft**
 - exercise2.sas7bdat
 - jugadores.sas7bdat
 - Laboratory 4.sas
 - Laboratory2.sas
 - Laboratory3.sas
 - Laboratory5.sas
 - Laboratory6.sas
 - Laboratory6.sas~
 - mydata.csv

*Laboratory6.sas x

CÓDIGO
LOG
RESULTADOS

► Tabla de contenido

Scores grouped by subjects (1-calculus, 2-algebra, 3-topology)

Subjects=1

Students	koi1	koi2	koi3	koi4
100	112	118	120	114
101	120	155	140	130
102	110	115	110	115
N = 3				

Subjects=2

Students	koi1	koi2	koi3	koi4
100	90	180	200	140
101	200	150	140	173
102	160	115	120	195
N = 3				

Subjects=3

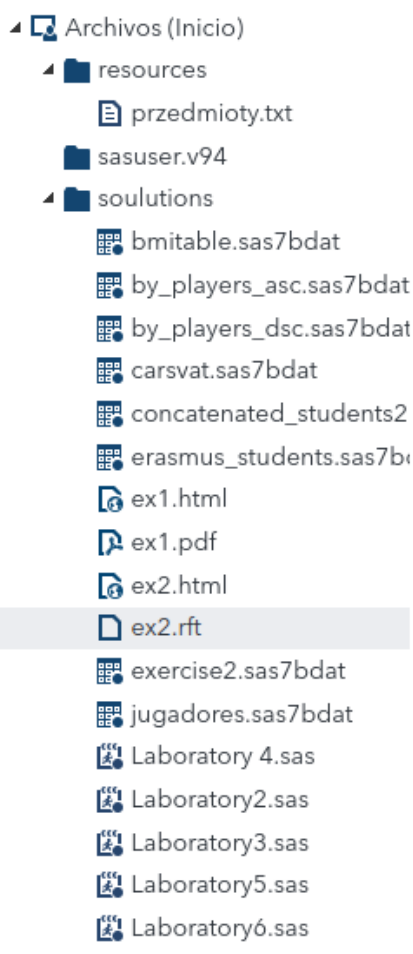
Students	koi1	koi2	koi3	koi4
100	190	80	100	140
101	200	150	170	173
102	150	125	130	195
N = 3				

Exercise3. Change report from exercise 2 adding totals for every test (kol1 kol2 kol3 kol4). Change sumlabel if needed.

```

proc sort data=scores;
by subjects_id;
run;
ods html file='/home/u63324691/solutions/ex2.html';
proc print data=scores n noobs label
    sumlabel="Totals"
    grandtotal_label="Grand Total"
    style(header)={fontstyle=italic backgroundcolor=red color=white};
by subjects_id;
sum kol1 kol2 kol3 kol4;
label    students_id='Students'
        subjects_id='Subjects';
title 'Scores grouped by subjects';
title2 '(1-calculus, 2-algebra, 3-topology)';
run;

```



**Scores grouped by subjects
(1-calculus, 2-algebra, 3-topology)**

Subjects=1

Students	kol1	kol2	kol3	kol4
100	112	118	120	114
101	120	155	140	130
102	110	115	110	115
Totals	342	388	370	359
N = 3				

Subjects=2

Students	kol1	kol2	kol3	kol4
100	90	180	200	140
101	200	150	140	173
102	160	115	120	195
Totals	450	445	460	508
N = 3				

Subjects=3

Students	kol1	kol2	kol3	kol4
100	190	80	100	140
101	200	150	170	173
102	150	125	130	195
Totals	540	355	400	508
Grand Total	1332	1188	1230	1375
N = 3 Total N = 9				

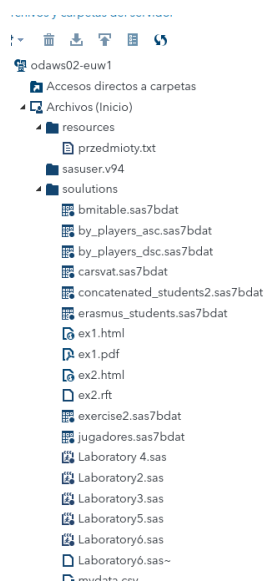
Exercise 4. Using table scores create the following reports.

```

title 'Average results from all subjects for individual students';
proc report data=scores;
column students_id kol1 kol2 kol3 kol4;
define students_id / group "Student";
define kol1 / analysis mean format=6.2 "Mean - kol1";
define kol2 / analysis mean format=6.2 "Mean - kol2";
define kol3 / analysis mean format=6.2 "Mean - kol3";
define kol4 / analysis mean format=6.2 "Mean - kol4";
run;

title 'Median results from all subjects for individual students';
proc report data=scores;
column subjects_id kol1 kol2 kol3 kol4;
define subjects_id / group "Subject";
define kol1 / analysis median format=6.2 "Median - kol1";
define kol2 / analysis median format=6.2 "Median - kol2";
define kol3 / analysis median format=6.2 "Median - kol3";
define kol4 / analysis median format=6.2 "Median - kol4";
run;

```



CÓDIGO LOG RESULTADOS

Tabla de contenido

Average results from all subjects for individual students

Student	Mean - kol1	Mean - kol2	Mean - kol3	Mean - kol4
100	130.67	126.00	140.00	131.33
101	173.33	151.67	150.00	156.67
102	140.00	118.33	120.00	168.33

Median results from all subjects for individual students

Subject	Median - kol1	Median - kol2	Median - kol3	Median - kol4
1	112.00	118.00	120.00	115.00
2	160.00	150.00	140.00	173.00
3	190.00	125.00	130.00	173.00

Exercise 5. Using table scores create the following report.

```

title 'Sum of points for individual students';
proc report data=scores;
column students_id kol1 kol2 kol3 kol4 sum;
define students_id / group "Student";
define kol1 / analysis sum "kol1";
define kol2 / analysis sum "kol2";
define kol3 / analysis sum "kol3";
define kol4 / analysis sum "kol4";
define sum / computed format=COMMA15.2 "Sum";
compute sum;
sum = _c2+_c3+_c4+_c5_;
endcomp;
run;

```

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 - ex1.pdf
 - ex2.html
 - ex2.rft

- Tabla de contenido

Sum of points for individual students

Student	kol1	kol2	kol3	kol4	Sum
100	392	378	420	394	1,584.00
101	520	455	450	476	1,901.00
102	420	355	360	505	1,640.00

Exercise 6.

```

data allacty;
  input date : date7. event $ 9-36 who $ 37-48 long;
  datalines;
01APR23 Dist. Mtg. All 1
17APR23 Cumpleaños Dani 1
25APR23 VueltaPolonia Dani 1
;
data cal;
  input date : date7. holiday $ 11-25 holilong @27;
  datalines;
06apr23 JuevesSanto 3
07apr23 ViernesSanto 1
;
run;
proc sort data=allacty;
  by date;
run;
options nodate pageno=1 linesize=132 pagesize=60;
proc calendar data=allacty holidata=cal;
  start date;
  dur long;
  holistart date;
  holivar holiday;
  holidur holilong;
  title1 'MyCalendar';
  title2 'Daniel';
run;

```

Archivos y carpetas del servidor

Tareas y utilidades

Fragmentos de código

Mis fragmentos de código

Fragmentos de código

*Laboratory6.sas x

CÓDIGO LOG RESULTADOS DATOS DE SALIDA

Tabla de contenido

Abril 2023						
Domingo	Lunes	Martes	Miércoles	Jueves	Viernes	Sábado
						1
						*Dist. Mtg./All**
2	3	4	5	***JuevesSanto***	***JuevesSanto***	***JuevesSanto***
9	10	11	12	13	14	15
16	17	18	19	20	21	22
+Cumpleaños +						
23	24	25	26	27	28	29
30						

Librerías