FILES CONTAINED ON THIS PACKAGE

Main executables R scripts (root folder)

      Puntuación_larga.R

      Puntuación_media.R

      Puntuación_sprint.R

      PuntuaciónRelevos.R

      PuntuaciónFinalComunidades.R

Auxiliary Scripts ('/ScriptsAuxiliares' folder)

      auxCalculoComunidades.R

      getResults.R

      getResultsRelevos.R

      util.R

CSV ('/csv' folder)

      larga.csv

      media.csv

      relevos.csv

      sprint.csv

      info.csv

INSTRUCTIONS FOR USE

You will need R to run these scripts. Visit https://cran.r-project.org to install the latest package.

If installed on windows with default settings the R workspace would be the 'My Documents' folder.
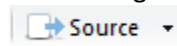
Create a new folder on MyDocuments (or wherever is your default workspace) with the name 'Rfolder'.

Place on that folder the content of the zip file. If done correctly the 'Main executables R scripts' would be directly on the RFolder. It would be also two subfolders 'Auxliary Scripts' and 'csv'.

Export your results using the OE201 and OS2010: Results/Preliminary/Courses/Export. Select the default options (Character separated value, delimiter = semicolon and String Delimiter ").

If the event includes more than one stage export the results of a single stage.

For running the scripts open them with R and execute them by pressing the 'source' button:

[Source ▾]

Or by pressing simultaneously CTRL+SHIFT+ENTER

MAIN EXECUTABLE R SCRIPTS

PUNTUACIÓN_LARGA

Puntuación_larga.csv calculates the score for the runners on a single race 'larga' according to the rules on info.csv

      larga.csv is the Preliminary Results by courses export from OE2010. It should be exported once the event is finished.

      info.csv contains the information for processing the data on larga.csv:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	CECLevels	CECcorred	Individual	Categoria	larga.csv	media.csv	sprint.csv	Relevos	relevos.cs	Carrera	TiempoM:	PuntuacionMin	
1	Cadete	3	F-12	Cadete	100	100	100	F-CADETE	220	larga.csv	180	10	
2	Junior	3	F-14	Cadete	100	100			20	media.csv	90	10	
3	Veterano	4	F-16	Cadete	100	100	Max race time		20	sprint.csv	40	10	
4	Senior	7	F-18/20B	Junior	60	60	(minutes)		50	relevos.cs	240	0	
5			F-18A	Junior	100	100		F-VET A	220				
6	Categories		F-20A	Junior	100	100		100 F-VET	Score for runners above Max race time			
7			F-21A	Senior	100	100		100 F-VET C	220				
8			F-21B	Senior	60		Maximum score for each category (winner score)					

The winner score for each category (column 'Individual') is taken from the 'larga.csv' column. For instance for F-21A winner would be 100, for F21B, 60.

The Score for the rest of the runners (no winners) is calculated as follows

(winner time/runner time)*winner score

If you want to edit this formula open with a text editor the auxiliary script 'getResults.R' search the following line and edit it:

puntuacionProvisional<-(tiempoGanador/tiempoCorredor)*aux$puntuacion[k]

Where:

tiempoGanador is the winners time

tiempoCorredor is the runners time whose socore is being calculated

aux$puntuacion[k] is the winners time

'PuntuacionMin' (10 points) is granted for every runner that completed the race

If Runner time is > Max race time (Column 'TiempoMax'), then PuntuacionMin is assigned to the runner

If runner is marked as 'non competitive' 0 points are assigned to him/her.

PUNTUACIÓN_MEDIA.R

Exactly like 'puntuación_larga.R' but it loads media.csv instead of larga.csv and these columns of info.csv are used:

CECLevels	CECcorred	Individual	Categoria	larga.csv	media.csv	sprint.csv	Relevos	relevos.cs	Carrera	TiempoM:	PuntuacionMin
Cadete	3	F-12	Cadete	100	100	100	F-CADETE	220	larga.csv	180	10
Junior	3	F-14	Cadete	100	100	100	F-INFANTI	220	media.csv	90	10
Veterano	4	F-16	Cadete	100	100	100	F-JUNIOR	220	sprint.csv	40	10
Senior	7	F-18/20B	Junior	60	60	60	F-SENIOR	250	relevos.cs	240	0
		F-18A	Junior	100	100	100	F-VET A	220			
		F-20A	Junior	100	100	100	F-VET B	220			
		F-21A	Senior	100	100	100	F-VET C	220			
		F-21B	Senior	60	60	60	M-CADETE	220			

PUNTUACIÓN_SPRINT.R

Same as above but it loads sprint.csv instead and these fields from info.csv are used:

CECLevels	CECcorrec	Individual	Categoria	larga.csv	media.csv	sprint.csv	Relevos	relevos.cs	Carrera	TiempoMa	PuntuacionMin
Cadete	3	F-12	Cadete	100	100	100	F-CADETE	220	larga.csv	180	10
Junior	3	F-14	Cadete	100	100	100	F-INFANTI	220	media.csv	90	10
Veterano	4	F-16	Cadete	100	100	100	F-JUNIOR	220	sprint.csv	40	10
Senior	7	F-18/20B	Junior	60	60	60	F-SENIOR	250	relevos.cs	240	0
		F-18A	Junior	100	100	100	F-VET A	220			
		F-20A	Junior	100	100	100	F-VET B	220			
		F-21A	Senior	100	100	100	F-VET C	220			
		F-21B	Senior	60	60	60	M-CADETE	220			

PUNTUACIÓN_RELEVOS.R

Same as above but:

It loads relevos.csv that is the csv exportation of Preliminary Results by courses on OS2010.

It loads relevos.csv instead and these fields from are used:

CECLevels	CECcorrec	Individual	Categoria	larga.csv	media.csv	sprint.csv	Relevos	relevos.cs	Carrera	TiempoMa	PuntuacionMin
Cadete	3	F-12	Cadete	100	100	100	F-CADETE	220	larga.csv	180	10
Junior	3	F-14	Cadete	100	100	100	F-INFANTI	220	media.csv	90	10
Veterano	4	F-16	Cadete	100	100	100	F-JUNIOR	220	sprint.csv	40	10
Senior	7	F-18/20B	Junior	60	60	60	F-SENIOR	250	relevos.cs	240	0
		F-18A	Junior	100	100	100	F-VET A	220			
		F-20A	Junior	100	100	100	F-VET B	220			
		F-21A	Senior	100	100	100	F-VET C	220			
		F-21B	Senior	60	60	60	M-CADETE	220			

Scores are applied to teams, not to individual runners.

If you want to edit the formula that is used for calculating the teams scores open with a text editor and edit the following line:

aux$Puntuacion[j]<-(tiempoGanador/tiempoCorredor)*aux$Puntuacion[z]

Where:

tiempoGanador is the winners team time

tiempoCorredor is the team time whose score is being calculated

aux$puntuacion[k] is the winners team score

PUNTUACIÓNFINALCOMUNIDADES.R

CECLevels	CECcorredores	Individual	Categoria	larga.csv	media.csv	sprint.csv	Relevos	relevos.csv	Carrera	TiempoMax	PuntuacionMin
Cadete	3	F-12	Cadete	100	100	100	F-CADETE	220	larga.csv	180	10
Junior	3	F-14	Cadete	100	100	100	F-INFANTI	220	media.csv	90	10
Veterano	4	F-16	Cadete	100	100	100	F-JUNIOR	220	sprint.csv	40	10
Senior	7	F-18/20B	Junior	60	60	60	F-SENIOR	250	relevos.cs	240	0
		F-18A	Junior	100	100	100	F-VET A	220			
		F-20A	Junior	100	100	100	F-VET B	220			
		F-21A	Senior	100	100	100	F-VET C	220			
		F-21B	Senior	60	60	60	M-CADETE	220			
		F-35A	Veterano	100	100	100	M-INFANT	220			
		F-35B	Veterano	60	60	60	M-JUNIOR	220			
		F-40	Veterano	100	100	100	M-SENIOR	250			
		F-45	Veterano	100	100	100	M-VET A	220			

For each individual race (larga.csv, media.csv and sprint.csv:

It groups the runners by ages. For instance as seen in the image F-12, F-14 and F-16 will be all 'Cadete'.

It groups the runners by the 'Region' field of the corresponding csv (larga, media or sprint)

Is sums the best three cadete times, the best three junior, four veteran, and seven senior for each 'Region'. This can be edited on the fields beneath the columns (CECLevels and CECcorredores) on the info.csv. This leaves one final score for the 'Region' for the race.

For the relevos race (relevos.csv)

It groups the runners by the 'Region' field of relevos.csv.

It sums the best five scores for each region. It does not look at the category. This leaves one final score by 'Region' for the relevos race

Finally

It sums the 'Region score by race' calculated as explained above on a single final score for each region.

COMMENTS AND CONSIDERATIONS

Names on CECLevels column must match names on 'Categoría' Column

All the fields in white in the image below can be edited.

All the yellow fields must match exactly the names of the corresponding 'short' column of the csv

The green field must match exactly the names of the corresponding csv

CECLevels	CECcorrec	Individual	Categoria	larga.csv	media.csv	sprint.csv	Relevos	relevos.cs	Carrera	TiempoMa	PuntuacionMin
Cadete	3	F-12	Cadete	100	100	100	F-CADETE	220	larga.csv	180	10
Junior	3	F-14	Cadete	100	100	100	F-INFANTI	220	media.csv	90	10
Veterano	4	F-16	Cadete	100	100	100	F-JUNIOR	220	sprint.csv	40	10
Senior	7	F-18/20B	Junior	60	60	60	F-SENIOR	250	relevos.cs	240	0
		F-18A	Junior	100	100	100	F-VET A	220			
		F-20A	Junior	100	100	100	F-VET B	220			
		F-21A	Senior	100	100	100	F-VET C	220			
		F-21B	Senior	60	60	60	M-CADETE	220			
		F-35A	Veterano	100	100	100	M-INFANT	220			
		F-35B	Veterano	60	60	60	M-JUNIOR	220			
		F-40	Veterano	100	100	100	M-SENIOR	250			
		F-45	Veterano	100	100	100	M-VET A	220			
		F-50	Veterano	100	100	100	M-VET B	220			
		F-55	Veterano	100	100	100	M-VET C	220			
		F-60	Veterano	100	100	100	OPEN AM	0			
		F-65	Veterano	100	100	100	OPEN NAF	0			
		F-E	Senior	125	125	125	OPEN ROJ	0			
		M-12	Cadete	100	100	100					
		M-14	Cadete	100	100	100					
				100	100	100					
				60	60	60					
				100	100	100					
				100	100	100					
				100	100	100					

These should match the actual names of the csv

Names on CECLevels must match names on Category columns

These names must match the 'short' column of the csv's