

Exercice

Read in the SAFI data again (exercise A). Run the line
to factor respondent_wall_type.

Using aggregate, find:

- 1) the average family size per village
- 2) average number of rooms in the dwelling
per wall type and village (group on both)

Bonus: sort the second result by village, then wall type

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02:00

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```
> aggregate(safi$no_membres, by=list(safi$village), mean)
```

	Group.1	x
1	Chirodzo	7.076923
2	God	6.860465
3	Ruaca	7.571429

```
> aggregate(safi$rooms, by=list(safi$village, safi$respondent_wall_type), mean,  
na.rm=TRUE)
```

	Group.1	Group.2	x
1	Chirodzo	burntbricks	2.590909
2	God	burntbricks	1.684211
3	Ruaca	burntbricks	2.000000
4	Ruaca	cement	3.000000
...			

```
> tmp<- aggregate(safi$rooms, by=list(safi$village, safi$respondent_wall_type),  
mean, na.rm=TRUE)
```

```
> tmp[order(tmp$Group.1, tmp$Group.2),]
```

	Group.1	Group.2	x
1	Chirodzo	burntbricks	2.590909
5	Chirodzo	muddaub	1.187500
8	Chirodzo	sunbricks	1.000000
2	God	burntbricks	1.684211
6	God	muddaub	1.266667