

# tapply

```
aggregate(africa$pop_2017, list(africa$region), mean)
```

```
  Group.1      x  
1 central 17915179  
2   east 23673746  
3  north 38598350  
4  south 12770885  
5   west 23284215
```

```
tapply(africa$pop_2017, africa$region, mean)
```

central	east	north	south	west
17915179	23673746	38598350	12770885	23284215

# tapply

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

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

	burntbricks	cement	muddaub	sunbricks
Chirodzo	2.590909	NA	1.187500	1.000000
God	1.684211	NA	1.266667	1.666667
Ruaca	2.000000	3	1.333333	1.428571