```
R version 3.2.3 (2015-12-10) -- "Wooden Christmas-Tree"
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Platform: x86_64-w64-mingw32/x64 (64-bit)

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  Natural language support but running in an English locale

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Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[Previously saved workspace restored]

> midvalue=c(58,59,60,61,62,63,64,65)
> f=c(10,18,30,42,35,28,168)
> cf=cumsum(cf)
Error: object 'cf' not found
> cf=cumsum(f)
> data=midvalue$f
Error in midvalue$f : $ operator is invalid for atomic vectors
> data=data.frame(midvalue,f)
Error in data.frame(midvalue, f) :
  arguments imply differing number of rows: 8, 7
> f=c(10,18,30,42,35,28,168)
> f=c(10,18,30,42,35,28,16,8)
> cf=cumsum(f)
> data=data.frame(midvalue,f)
> data
  midvalue  f
1       58 10
2       59 18
3       60 30
4       61 42
5       62 35
6       63 28
7       64 16
8       65  8
> M=midvalue$f
Error in midvalue$f : $ operator is invalid for atomic vectors
> mean(data)
[1] NA
Warning message:
In mean.default(data) : argument is not numeric or logical: returning NA
> mean=(sum(midvalue*f))/sum(f)
> mean
[1] 61.40107
>
```