

# INVALID PARAMETERS

Our pv function works on a vector of future values, not data frames, lists, or matrices. Let's add a warning in case a user tries to feed it a non-atomic vector.

```
pv <- function(FV, r, n = 5) {  
  if(!is.atomic(FV) {  
    stop('FV must be an atomic vector')  
  }  
  
  present_value <- FV / (1 + r)^n  
  round(present_value, 2)  
}
```

- Check if class of FV is something other than a vector (be careful with is.vector - use is.atomic instead)
- If so, stop, return an error, and the specified message

# INVALID PARAMETERS

Our `pv` function works on a vector of future values, not data frames, lists, or matrices. Let's add a warning in case a user tries to feed it a non-vector.

```
fv_l <- list(fv1 = 800,  
             fv2 = 900,  
             fv3 = 1100)
```

```
pv(fv_l, 0.08)
```

```
Error in pv(fv_l, 0.08) : FV must be an  
atomic vector
```

- Now when we execute `pv` on a non-atomic vector we get an **error output**