

# CALLING ARGUMENTS IN DIFFERENT WAYS

```
pv(FV = 1000, r = .08, n = 5)  
[1] 680.58
```

Using argument names

```
pv(1000, .08, 5)  
[1] 680.58
```

positional matching

```
pv(r = .08, FV = 1000, n = 5)  
[1] 680.58
```

must use names if you change  
order otherwise...

```
pv(.08, 1000, 5)  
[1] 0
```

error or incorrect computation  
will occur

```
pv(1000, .08)  
Error in pv(1000, 0.08) : argument "n" is missing,  
with no default
```

missing arguments results in  
error

# SETTING DEFAULT ARGUMENTS

```
pv <- function(FV, r, n = 5) {  
  present_value <- FV / (1 + r)^n  
  round(present_value, 2)  
}
```

```
pv(1000, .08)  
[1] 680.58
```

```
PV(1000, .08, n = 3)  
[1] 793.83
```

We can set **default argument values**

now if we do not call the argument the default is used

and we can change the default simply by specifying an n value