Simple Regression

```r
library(ztable)
```

```
## Welcome to package ztable ver 0.1.5
```

```r
options(ztable.type = 'latex')
```

```r
x <- rep(1:5, each = 4)
x2 <- x^2
y <- c(3, 5, 6, 9, 4, 6, 7, 10, 4, 6,
       8, 10, 5, 7, 9, 12, 7, 10, 12, 6)
y2 <- y^2
xy <- x*y
d <- data.frame(x, x2, y, y2, xy)

s <- data.frame(x = sum(x), x2 = sum(x2), y = sum(y), y2 = sum(y2), xy = sum(xy))
d <- data.frame(rbind(d, s))
cnames <- c('X', '$X^2$', 'Y', '$Y^2$', 'XY')
names(d) <-  cnames
z <- ztable(d, digits = 0, include.rownames = FALSE)
z <- addrgroup(z, rgroup = c(" ", "Sums"),
               n.rgroup = c(20, 1), cspan.rgroup = 1)
z
```

X	X^2	Y	Y^2	XY
1	1	3	9	3
1	1	5	25	5
1	1	6	36	6
1	1	9	81	9
2	4	4	16	8
2	4	6	36	12
2	4	7	49	14
2	4	10	100	20
3	9	4	16	12
3	9	6	36	18
3	9	8	64	24
3	9	10	100	30
4	16	5	25	20
4	16	7	49	28
4	16	9	81	36
4	16	12	144	48
5	25	7	49	35
5	25	10	100	50
5	25	12	144	60
5	25	6	36	30
Sums				
60	220	146	1196	468