



Fig. 1. Relationship between the number of eggs per female ( $N$ ) and the number of eggs per egg ( $E$ ) in 1998 (○) and 1999 (●). The regression lines are  $N = 10.4E + 1.6$  ( $r^2 = 0.97$ ) and  $N = 1.8E + 1.8$  ( $r^2 = 0.99$ ), respectively.

1998, the number of eggs per female was 10.4 times the number of eggs per egg, plus 1.6.

In 1999, the number of eggs per female was 1.8 times the number of eggs per egg, plus 1.8.

These two regression lines are shown in Figure 1.

The regression lines for 1998 and 1999 are very different. The regression line for 1998 is much steeper than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their intercepts.

The regression line for 1998 has a much higher intercept than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their slopes.

The regression line for 1998 has a much steeper slope than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $r^2$  values.

The regression line for 1998 has a much higher  $r^2$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $F$  values.

The regression line for 1998 has a much higher  $F$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $P$  values.

The regression line for 1998 has a much higher  $P$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $t$  values.

The regression line for 1998 has a much higher  $t$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $S.E.$  values.

The regression line for 1998 has a much higher  $S.E.$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $df$  values.

The regression line for 1998 has a much higher  $df$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $SS$  values.

The regression line for 1998 has a much higher  $SS$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $MS$  values.

The regression line for 1998 has a much higher  $MS$  value than the regression line for 1999.

The regression lines for 1998 and 1999 are also very different in their  $var$  values.

The regression line for 1998 has a much higher  $var$  value than the regression line for 1999.