Slope Test

Description

Tests whether the difference between two or more regression lines is significant

Usage

```
Slope.test(...)
```

Arguments

 \cdots this function takes any number of two column matrices. The first column is the ydata (in the case of locus equations, this is the vowel onset) and the second column is the x-data (in the case of locus equations, vowel target).

Value

The return value consists of the following componenets:

separate	slope, intercept, r-squared, F-ratio, "d(egrees of) f(reedom)" and "prob(ability that) line fits data" for the separate data matrices entered.
combined	F-ratio, "d(egrees of) f(reedom)", and "Probability of them being DIFFERENT" for the slope and for the intercept of the combined data.
х	the combined x-data for all the matrices.
У	the combined y-data for all the matrices.
mat	the category vectors for the combined data (consists of 1, 0 and -1).
numrows	the number of rows in each matrix.
numcats	the sum number of matrices entered.

References

see E. Pedhazur, Multiple Regression in Behavioral Research p.436-450, 496-507.

See Also

lm(), summary.lm(), pf()