```fortran
 1  module linear_regression_results
 2
 3      use kind_types
 4      implicit none
 5
 6      type          :: lr_results
 7
 8          real ( wp ) :: intercept_value
 9          real ( wp ) :: slope_value
10
11          real ( wp ) :: intercept_error
12          real ( wp ) :: slope_error
13
14          real ( wp ) :: error_rms
15
16      end type          lr_results
17
18  end module linear_regression_results
```