

```

class linreg
{
public:

    void          setup()
    real scalar   N()
    real scalar   k()
    real scalar   K()
    real colvector b_x()
    real scalar   b_c()
    real colvector b()
    real matrix    v()
    real scalar   s2()
    real scalar   ee()
    real colvector yhat()

protected:

    // ----- inputs
    pointer(real colvector) scalar y
    pointer(real matrix) scalar x
    real scalar cons

    // ----- derived

    real matrix    xx          // X'X; K x K
    real colvector xy          // X'y; K x K
    real matrix    xxinv      // (X'X)^(-1); K x K
    real colvector b          // coefficients; K x 1
    real matrix    v          // variance matrix (VCE); K x K
    real scalar   s2          // variance of e
    real scalar   yy          // y'y
    real scalar   ee          // e'e, error sum of squares
    real scalar   k_adj
    real scalar   k_adj

/*
    Deviation from mean notation:
        S = X - mean(X)    X as deviation from mean
        t = y - mean(y)    y as deviation from mean
*/
}

```

Programming In Stata And Mata

WJ Hussar



Programming In Stata And Mata:

Decoding **Programming In Stata And Mata**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Programming In Stata And Mata**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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