KEGRESS10N	
HAVE OBJERVATIONS OF A DEPENDENT VARIABLE Y K INDEPENDENT VARIABLE	4~
K motherous surly	LES
X, , ½, X <sub>K</sub>	
CONSIDER LINETT REZ	AT NUMBER
9 = b + b, x, + b2 x2+	· +6x XK
HAT" 1 TOLE CIEFF -	
PROTURY, OR FITTED VALVE	
INCREASE I VARIABLE	a one
WARIANUS	OTHAL
UMPIANCE	TIXED

LET Y. DE NE FARD VALUE FOR i'TH BISTRUMTION LET Y. BE OBSIDENTO VALUE LET e: = 7: -7: RE CALMA or RESIDUAL USUAR CRITTHIN: " CEAST SOUMES" (RECRESSION) COMP-TATIONALLY THATTAPLE [UP TO REMINAPLE SCALE] PEPMITS INTERENCE UNDER ASTRIBUTE ASTURIANS

MASSIRET OF FIT 1514 = 221 = \(\int(\frac{1}{2}\) (\frac{1}{2}\) SS = SSR = \( \frac{1}{2} \cdot - \frac{1}{2} \) TE = E PRUM FACT FOR L-S FIT 225 + 225 = 221 FRANCION OF VAPIATION u Y "EXPLAINED BY \* USING LINEAR RECENTIONIND

ANOTHER MEASURE OF 157 Se = Von-CKHD.... "SIP. CRANK OF MITMATE"

(ESSURPMEN SAMPLE SED. DEV. OF

RESIDENCE) INTERFNECT IDEA: WANT MEASURE FOR POSSIPLE ELLON IN ONTPUTS bo, b, ... bk NETO TO ASSIME A MODEL Y= B+ B, X, + ... + PNXK, + E E IS NORMA L.V. E[E]=0 2 VM[E]= TE E is independent of X, X, ... XR

UNDER MIDIT ASSUMPTION, OUTPUTS UP L-S RECKESSION HAVE KNOWN "SAMPLING DISTUBUTIONS"....

ROTTUR CINÉ: CONTITULT CONFIDÊNCE INTERIANS FOR fo, f., PK

HOW TO EVALUATE :

- O INTERPRE MOON OF
- 2 RESIDUARS - PLUTS AGAMIT XX: - HISTOGRAM