Jes, as it will have a tighter of the Polynomial Regression more flexible than reduce train evron d) Du to bias - Variance tradeall, for test data, a définettre ansurer cont be geven. We reed a madel with decent fit & moderate fresidely so it does not overfet

= log JI n + log (\$7.6 n) + (-1 (x-pk)2) 1 of (E Tre e - 262 (x-pe)2 S(n) = 109 JIk + 109 (J2TIGK) - 1 (n-PK) quadratic

ETI2 J277 6 e 262 (x 1/2) P(yes/n) = Tyes = 262(n-Pyes) Jyes e 262 (2 - Pyes) + JlNo e 262(2-1) $T_{yo} = 0.80$ x = 4 yo = 0 $T_{No} = 0.20$ Pyes = 16 P(yes/2=4) = 75.2%. on solving