$X_1 = GPA$, $X_2 = IQ$, $X_3 = Gender (Mwe = 0, Female = 1)$, $X_4 = Interaction$ between GPA and IQ $X_5 = Interaction$ between GPA and Gender, Y = Saraly

 $Y = 50 + 20 \cdot X_1 + 0.07 \cdot X_2 + 35 \cdot X_3 + 0.01 \cdot X_4 - 10 \cdot X_5$

1. I Ret GPA가 고정된 값이라면 (X1= B1, X2= B2)

9 = 50 + 20- R, + 0.07 R, + 35. X3 + 0.01 (k, R2) - 10. (k, X3)

Prode = 50 + 20. b, +0.07 be + 0.01 (k, b.)

Female = 50 + 20- &1 +0.07 ls +0.01 (k, R2) + 35 -10 l,

- 35 - 10 k, YO 이면 IQU GPAN정시 SATT 터 Selary 가 높다.

马, 们部(积胜部)到翻 避避出期的知时的时期)的最短的时.

- 2. \bigwedge $(X_1 = 4.0, X_2 = 110, X_3 = 1)$
 - = 50 + 20×4.0 + 0.07×110 + 35 + 0.01 (4×110) 10×4.0
 - = 137.1