Week 11
Mritible Livear Legierzinii (2)
E(X 1x x5)
Multicollinearity Scatter plot VIF X, X2 Xq X10 1.2 2.3 - 100 97
Model Selection Antomatic selection (Forward / Backward / Stepwise) prolve Best Subset approach
(penalised goodness - of - fit) Small P adj Aze (age P)



- Should we handle multivollinearity necessarily?

 Should it be before the model selection?

 Yes 100
 - Highly correlated x's in the final model does NOT harm prediction



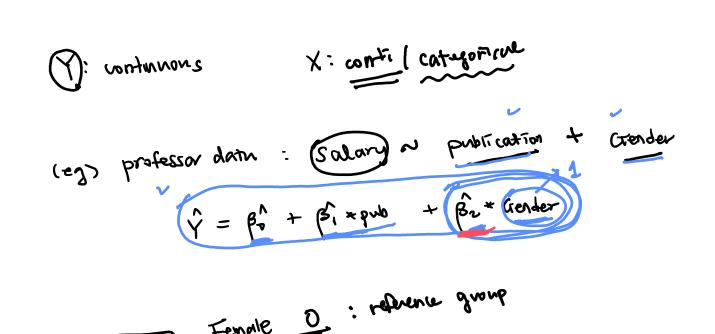
- Final model from [best subsect approach]

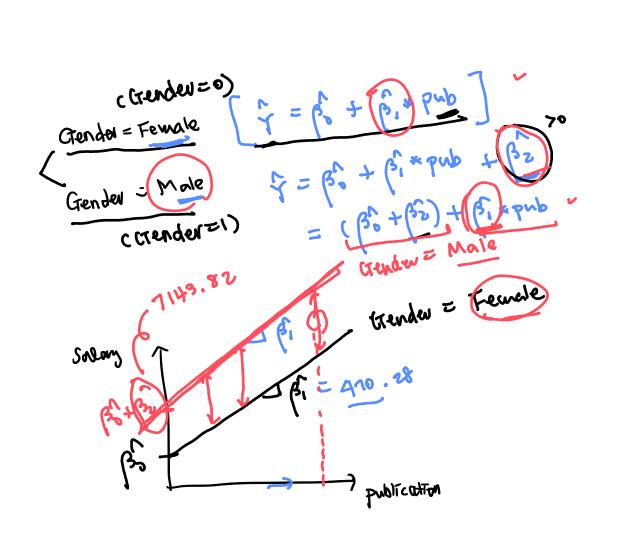
Yn (X) (X3) (X3)

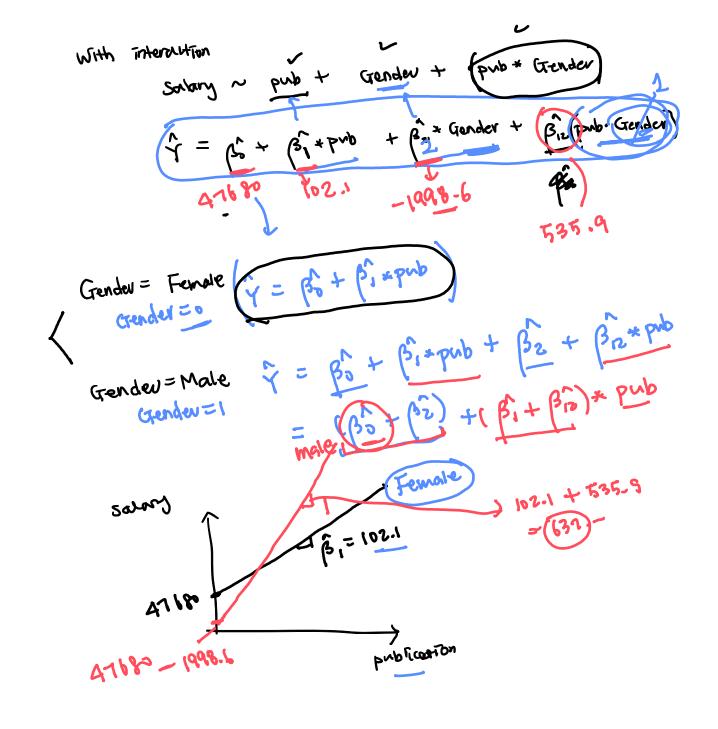
Prohi

- Antomatic selection & Best subset approach

$$-\left(p^2 = \frac{SSnodel}{8STotas}\right) \qquad 79.27.$$







R output interpretation

- chech significance of predictors

Ho: B creador = o Ha B conder = o

Ho: B creador = o Har- B weeder = prob = o

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