$O(2) MSE = (A-P)^2 + (1-P_1)^2 S_P^2 + (1-r_{AP}^2) S_A^2 = \frac{1}{M} \times (A_j-P_j)^2$ Charles Liu -= = (A; -A)(P;-P) $\rightarrow \frac{1}{m} \sum (A_{j} - \overline{A})^{2} + \frac{1}{m} \sum (P_{j} - \overline{P})^{2} + (\overline{A} - \overline{P})^{2} - \frac{2}{m} \sum (A_{j} - \overline{A})(P_{j} - \overline{P}) + \frac{1}{m} \sum (A_{j} - \overline{A})(P_{j} - \overline{P})(P_{j} - \overline{P}) + \frac{1}{m} \sum (A_{j} - \overline{A})(P_{j} - \overline{P}) + \frac{1}{m} \sum (A_{j} -$ 主 (Aj-A)(Pj-F) (Sp²)(房)= = (Pj-F)² → (Aj-A)(Pj) $\Re \mathbb{R}^2 = \frac{\beta_1}{\mathbb{E}(P_1 - \overline{P})^2} = \frac{\beta_1(S_p^2)}{S_A^2}$ $= \frac{\beta_1(S_p^2)}{\mathbb{E}(A_1 - \overline{A})^2} = \frac{\beta_1(S_p^2)}{S_A^2}$ 19時間 MSE = SA² + Sp² + (A-F)² - 2(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(角) = SA² + Sp² (1-2角+ 角²) + (A-F)² - 3(5p²)(A-F)² + (A-F)² + (A-F)2+5p2(1-B)2+5x2-5xB2-3mSE=(A-P)2+(1-B)252+(1-rAP)5x2) RStudio for components
of PRESS

RStudio for 2b

0

$$3 = \frac{30}{10} P_{i} = 32.44349 (sum of Pisin P1) \rightarrow PRESS = (A-P)^{2} + (1-P_{i})^{2} S_{p}^{2} + (1-P_{i}^{2}) S_{q}^{2}$$

$$= \frac{32.44349}{30} = \frac{32.26206}{30} (sum of Pisin P1)$$

$$= \frac{32.44349}{30} = \frac{32.26206}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.26206}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.44349}{30} = \frac{32.26206}{30} = \frac{32.44349}{30} = \frac{32.4434$$