

Assignment_19.3 Calculating Variance of first set. Total Inputs (N) = (10,20,30,40,50) Total inputs (N) = 5. Mean. (xm) = (x, +x2+ ... xn)/N. Mean (2m) = 150/5 = 30. $(x_1-x_m)^2+(x_2-x_m)^2+...+(x_n-x_m)^2$ S.D = 0 = (N-19 = 15.814. 00440014040004000 Variance = SD2 = (15.8114)2 = 250. Calculating variance of second set. For 5, 10, 15, 20, 25: Total inputs (N) = (5, 10, 15, 20, 25) Total anno. 9 input = N = 5. Mean (2m) = (21+22+28+...+XM)/5 =75/5=15 Variance = (x,-xm)2+ (22-xm)2+ ... + (2n-xm)2 = 62.5To calculate F test F Test = (variance of 10, 20, 30, 40, 50) (Francance of 5, 10, 5, = 250/62.5

= 4. The F Test value is 4.