21/Marsol 2023 Ejercicio 1. Media y Varianza $\overline{r} = \frac{1}{n} \sum_{r} r; \qquad L | \overline{r} = \frac{1}{2} - Z_{al2} \left(\frac{1}{\sqrt{n2n}} \right) \qquad L | \overline{Sr} = \frac{1}{2} + Z_{al2} \left(\frac{1}{\sqrt{n2n}} \right) = \frac{1}{2} + Z_{a$ r= 0.8797 + 0.9848+ 0.4557+ 0.917+0.8376+0.3884+0.3469+0.1502 +0.2204+0.6235+0.6289+0.7977+0.8536+0.5991+0.3681+ 0.8750+0.58+4+0.88+6+0.5+61+0.2088+0.3999+0.8147+0.3410 + 0.5739+ 0.1525+ 0.8589+ 0.6431+ 0.1492+0.3254+0.2006+ 0.9996+0.7357+0.8681+0.0856+0,4720+0.2415+0.5613+ 0. 5291+0.2258+0.4272+0.3808+0.0318+0.3188+0.4603+ 0.6360+0.9606+0.7401+0.5992+0.5027+0.095+ (0.20(6-C.52586) & 0.9446-0.55366) 24 r= 826.6933 (1) 2882 0 - 8208 0) & (1) 2882 0 - Prpea 01 & (1) 2882 0 F=0.533866 + (AREEZ 0-1047.0)+ (DIREZ 0-2020) LSF= 1 + Zuz (1) = 1 + (1.96) (1) = 0.580016664 El conjunto de 50 da tos con F=0.533866 se acepta de los limites de aceptación. 1-10:0510) 50-1 - X 0.975,44 - 81.555 - () (0536[4966

 $V_{00} = \sum_{i=1}^{n} (r_i - \bar{r})^2 \qquad L_{1}v_{00} = \frac{\chi^2}{1 - (\alpha z_0)^2 n - 1} \qquad L_{2}v_{00} = \frac{\chi^2}{12(n-1)} \qquad 12(n-1)$ Wi= (0.8797-0.533866)2+(0.848-0.633866)2+(0.4567-0.533866)2+(0.917-0.633866)2 +(0.8376-0.533866)2+(0.3884-0.533866)2+(0.3469-0.533866)2+(0.1592-0.533866)2 +(0.2204-0.533866)2+(0.6235-0.533866)2+(0.6289-0.533866)2+(0.7977-0.533866)2 +(0.8536-0.533866)2+(0.5991-0., 3386)2+(0.3681-0.533866)2+(0.8750-0.533866)2 + (0.5844-0.533866)2+ (0.8846-0.538866)2+ (0.5461-0.633866)2+ (0.2088-0.533866)2 + (0.5999-0.533866)2+ (0.8147-0.533866)2+ (0.3410-0.533866)2+ (0.5739-0.533866)2 + (0.1525-0.53386)2+ (0.8589-0.533866)2+ (0.6431-0.533866)2+ (0.1492-0.533866)2 +(0.3254-0.533866)3+(6.2006-0,533866)2+(0,9996-0.533866)2+(0.7387-0.533866)2 + (0.8681-0.53386)4 (0.0856-0.533866)2+(0.4720-0.533866)4 (0.2415-0.533866)2 +(0.5613-0.53386)3+(0.5291 - 0.533866)3+(0.2258-0.533866)3+(0.4272-0.533866)2 +(0, 3808-0-533866)2+(0.038-0.533866)2+(0.3188-0.533866)2+(0.4603-0.533866)2 + (0.6360-0.53386)2+ (0.9606-0.53386)2+(0.7401-0.53386)2+ (0.5992-0.53386)2 + (0.5027-0.533866) 7+ (0.0954-0.533866) 7. Voi= 3.6+6391812 3.6+391812 50-1 49 Vn= 0.074416159 L SVIR) = X20.05/2, 50-1 = X0.025,49 = 70.222 = 0.11942517 12(50-1) = 12(49) 588 Dado que el valor de la varianza: V(r) = 0.0744 16159 está entre las limites de acceptación, podemos decir que no se puede rechazar que el eonjonto de 50 números ri tiene una varianza de 1/12 = 0.8333.

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