Population formula

 $T \leftarrow Standard deviation$ Variance = T^2

Population SPECN) = 460 Min=-5 Mov=5 R=10

total size in table 452

Mean = $M = \frac{2}{N} = \frac{-186}{452}$ =-04115

mean (M) = -0.4115

median = 0

mude = 0

Male graph Normal Distribution Mean $\bar{z} = -0.64284$ $\bar{z} = n_1 = \frac{36}{72} = 0.64284$. Median = 0 mae=0 Sample size (n)=137 degree of freedom (d.f)=1-1=137-1=136 Sum = - 38 0 = 95 / or 0.05 5 = 9.30 / 604 $5 = (2 - 2)^{2} / (3 / 7 / 25)^{3} = 2.37 / 6$ 5=5.437 Standard error (SE)= 5 = 2.332 = 0.1992 t-test t= m-M_-044234-6-0.4115)=-1.1587

5 VF 2-1.158

t-test = -1.1589

mins-5 mux=5 R=10 Feronle graph Sum = - 94 normal distribution menix = -0.690b 2-2 = 144 = 10.00 made = 0 median=0 a=0.050090%. $S = \begin{cases} C2 - 2)^2 = \begin{cases} 87435-77 \\ 149 \end{cases}$ min = -5 max=5 = 295.0454 -2,2637 R310 5=2-0678 52-4-275 SE=5 = 2.0626 Vh (1144) t-test -0.60806-C-0.415) _=-1.5618 0.172) d.f=h-1=144-1=143

independent t-test for 2 Sample tっ 2,-Z2 5/3 52 152 h. h. 0.64284-(-0.6706) 5.4373 + 4.2749 = 0.03776 0.26334