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积41年16月数119统计等十二次作业 张舒程
(1) (a) 等一类钴键 P.= P[x=2.5] H= 2.1] >
    第二类钴键 P_= P [2 < 2-5] H= 2.9]
      又 ~N | H, 19) 、J=J[9(スール) ~ N(0,1)
       :. 11 = P (1 = 0.4 /19) 21-4(1.744) = 1-0.9595 = 0.0405
         Pz = Ply < -0.4 [9] = H(-1.744) = 0.0405
    (b) 210001: P2= P17 4-0.4/n/ €0.02
           (3 ulo. 4 Jn) > 0.98
                                   ションカー 26.39 シカを取27
                  :. 0.4 Tn - 2.035
   (c) PI+Pz = Ply= 0.4 Tm)+ P(y < - 0.4 Tm) = 2= 2 P(y = 0.4 Tm) = 2-2 N(0.4 Tm)
             の很大はすれいのかりからいいいかの
                                 :. P_{n}(x) = \frac{n!}{(n-1)!} (F(x))^{n-1} P(x) = \frac{n \times n^{-1}}{\theta^{n}}
(2) (a) 910) = P[x1m) = 2.4 | 0=0.3 x
     眼: 下(x)= f. F(x)= 合
     = \int_{0}^{24} \frac{1}{6\pi} dx = \int_{0}^{24} \frac{1}{6\pi} dx = \frac{1}{6\pi} \left| \frac{1}{6\pi} \right|^{24} = \left( \frac{2.4}{6.9} \right)^{n}
   (6) 第一类错误: 210)=910), 86 [3.+四)
                  =\frac{2.4}{6}) =\frac{2.4}{3} ) =0.8 . =\frac{3}{1} =0.8
                                                  一. 力应取14
   (c) $ 0.8° 50.05. 13 n = 1090.8 0.05 = 13.4251
(3) 910) = RIXIX 524103 P[X50.518] A
       1(x)= (1+0) x0, F(x)= x0+1
                                                   = .9(0) = f(0.5) = 0.5^{0+1}
                                              第一类: 2(6)=9(6)=0.50+1, 10(1)=4
学= 其: P(b) =1-9(b) =1-0.5 0+1 (日21)
                                                14) 柱弦纸件量力 も= 1ダーラ)/(5似/前+方) へり(114-2)=+(15)
       t= 10.25-0.28)/10.418/4++)= -0.1477
       PT = P(1+1=1+01) = P(+5-+0) + +-P(+0) 1- P(+ & +0)
                      = * + (+0.1477) + 1 - + (4-0.1477) = 2+ (-0.1477) = 2+ (-0.1477) = 2x0.++77
                               所从可以以为包约的功值一样
15) Ho: KI-Hz=0, HI: KI-Bz+0, M= 176, I= 465, Sx= 4854; n= 109, 9=422, 50= 49
  级针型 山= 1年一到/5%19 +41/1 = 49.44
                                 w PI = 2. (1- ) UW) = 2-2. (149.44) = NN$ 20
                      :.不可以以为男女设要自全型相同
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n=24, y=1.5, y=0.48. y'=0.2304
      Ho: H1-H2 50 ys H1: +4-H2 >0
       (21) 1 40= (1-3) Si + 62 = -0.2 × Jo. 3749 0.3304 2-0.031
                                        0.03 / 1/2,
       统计量小二(又一到)(今)新等)
              = -7.97 -- -1.2812
        手(色文: Wi= [+ さ +1-1 (m+n-2)]. ; Pf E= P 1+:10) = P (+のか144)まースタ7)
                                             * 2 XXX (18 = P(+144) = 7,817)
           € + · A$ (44) = 1.68 > >> 1.2812
                                                               = 2999 0.8965
            不好事经过城,故可以为第二百十代限更好
                                             (x)=100 Mer x=95.7 Mex (x)^2=2208 (x)=0.05 y=97.4 (x)=308 (x)^2=788
(7)(a)m=7, x=95.7, 5x=2208
    n: 5, y=97.4, Sy=78.8
                                  Ho: 6,2=6,2, VS 1-11: 6,2 + 62
        WI = [F = F & Z [m-1, n-1] $\firsty F_2 F_1-d12 (m-1, n-1)]
                                                  F = \frac{5x^2}{5y^2} = \frac{2208}{788} = 2.802; Fo.025(6,4) = 0.1605
                                                ; Fo. 975 (6.4) = 9.197 不在拒绝域中
                                  假饭可成生
                            61^2 = 106^2, 62^2 = 6^2
              = [ TO ] (xi-x)2+ ] (yi-y)2] ~ X2 (m+n-2)
             Sw2 = 10 [ 10 [(xi-1)2 + [19i-y)2] = -10 [ 10 x7x 2208 + 5x 78.8] = 193.96
            : += (x-3) - 1H1-H2) = (xe/5) + (m+n-2)
             程文经行产为 t= (x-五)=-0.356
                                          fr-x (m+n-2) = +0.95 (10)=1.812 不能WI内
            打きを主義:WI=[t-d(m+n-2)]
             则接受Ho
18) Ho: オーロ=ひ、vs H1: キーすもの
                                    y~ Exp (4)
                         XNEAPLA).
                    my~ Ga (M, 20)
     não Ga (n. As).
                    zmy h~ x (zm)
    2nx.80 ~ 32 (2n)
                          = Ga(m, 2)
          = 60 (n.i)
      : 1=2nx00 - 2my no = (a (n-m, t) = x2 (m-2m) w
      · 11 ( 文文: WE = [X' : X'd12 (2n-2m) 或 X' = X'+dn (2n-2m)]
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d= 0.05

m= 22. x = 1.3, $S_{x=0.57}$, $S_{x}^2 = 0.3249$

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