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• \chi_1, \chi_2, \dots, \chi_n \sim \mathcal{N}(\mu, \sigma')
- ケ正左京体:
                                                                                                                                                                                                                                                          (1) \overline{X} \sim N(M, \frac{\sigma^2}{n}), \overline{X} \sim M(0,1)
                                                                                                                                                                                                                                                    (2) \frac{(n-1)\zeta^2}{\nabla^2} \sim \chi^2(n-1)
                                                                                                                                                                                                                                                          (3) 又与与"相互独立
                                                                                                                                                                                                                                                                        \overline{X} - \mu \sim \pm (n-1) \leftarrow \overline{X} - \mu \sim N(0,1) \frac{(n-1)s^2}{\sigma^2} \sim \chi^2(n-1)
                                                                                                                                                                                                                                                                              S / Jn
    两个正态总体:
                                                                                                                                                                                                   • X ~ N(川, 寸, 1 , Y ~ N(川, 寸), X Y 相互独立
                                                                                                                                                                                                                                                                           (X-1)-(M-M2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ~ N(0,1)
                                                                                                                                                                                                                                                                                               \sqrt{\frac{4}{1}}
                                                                                                                                                                                                                                                                                                                                                                                                          \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \end{array} \end{array} \end{array} \end{array} \times \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \end{array} \times \begin{array}{c} \begin{array}{c} \end{array} \end{array} \times \begin{array}{c} \begin{array}{c} \end{array} \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \begin{array}{c} \end{array} \times \begin{array}{c} \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \begin{array}{c} \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \end{array} \times \begin{array}{c} \end{array} \times \begin{array}{c}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X-7-~ ( M,-M, Ti + Di )
                                                                                                                                                                                                                                                                       X ~ N(M, J), Y ~ N(M, J), X Y 70 3342
                                                                                                                                                                                                                                                                            (\overline{X}-\overline{Y})-(M_1-M_2) \sim t(N_1+N_2-2)
                                                                                                                                                                                                                                                                               Sug 1 + 1
                                                                                                                                                                                                                                                                               其中 Sw = 1n:-1) St + (n:-1) Sz , Sw = Sw
                                                                                                                                                                                                                                                                                                                                                                         \rightarrow \overline{X} - \overline{Y} \wedge N(M, -M_1, \frac{M_1}{M_1} + \frac{\overline{X}^2}{M_2}) 
                                                                                                                                                                                                                                                                                                                                                                                                                                 U = \frac{(x-\overline{Y})-(y_1-y_2)}{\sqrt{y_1+y_2}} \sim N(0.1)
                                                                                                                                                                                                                                                                                                                                                                                                                                    \frac{\nabla^2}{\nabla^2} \sim \chi^2(n_1-1) \qquad \frac{(n_2-1)\zeta_1}{\nabla^2} \sim \chi^2(n_1-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                      V = \frac{(n_1-1)\zeta_1^2}{\nabla^2} + \frac{(n_2-1)\zeta_1^2}{\nabla^2} \sim \chi^2(n_1+n_2-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      U (X-Y)-(M-M2) v t (n.+n2-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                               N/(n+n2-2) Suy n1 + n2
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