Vi har:
$$\{(x_i, u, q_i) = \frac{1}{q^2 \cdot \Gamma(u)} \times u^{-1} = \frac{1}{q^2} \}$$

Wi har: $\{(x_i, u, q_i) = \frac{1}{q^2 \cdot \Gamma(u)} \times u^{-1} = \frac{1}{q^2} \}$
 $\Rightarrow (a_j \{(x_i, u, q_i) = -x \cdot (a_j(q_i) - (a_j(r_i(u)) + (u_i - r_i)(a_j(q_i) - \frac{x}{q_i}) \}) = -x \cdot (a_j(q_i) - a_j(r_i(u)) + (a_j(u)) + (a_j(u)) + (a_j(u)) \}$
 $\Rightarrow (a_j \{(x_i, u, q_i) = -x \cdot q_i + \frac{x}{q_i})$
 $\Rightarrow (a_j \{(x_i, u, q_i) = -x \cdot q_i + \frac{x}{q_i})$
 $\Rightarrow (a_j \{(x_i, u, q_i) = -x \cdot q_i + \frac{x}{q_i})$
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 $\Rightarrow (a_j \{(x_i, u, q_i) = -x \cdot q_i + \frac{x}{q_i})$
 $\Rightarrow (a_j \{(x_i, u, q_i) = -x \cdot q_$

Konfidentialization

V: Let
$$X_{A_1}, ..., X_{A_n}$$
 wif $N(\mu, \sigma^2)$

On ev $\overline{X} = \frac{1}{A} \stackrel{\circ}{\sum} X_i \sim N(\mu, \sigma^2)$

Of $Z = \frac{\overline{X} - \mu}{\overline{V/X}} \sim N(0, \lambda)$

V: Let:

 $P(-1,96 \leq \frac{\overline{X} - \mu}{\overline{V/X}} \leq 1,96) = 0,95$
 $\longrightarrow P(-1,96 \stackrel{\circ}{\sum} \leq -\mu \leq -\overline{X} + 1,96 \stackrel{\circ}{\sum}) = 0,95$
 $\longrightarrow P(\overline{X} + 1,96 \stackrel{\circ}{\sum} \leq -\mu \leq -\overline{X} + 1,96 \stackrel{\circ}{\sum}) = 0,95$
 $\longrightarrow P(\overline{X} + 1,96 \stackrel{\circ}{\sum} \leq -\mu \leq -\overline{X} + 1,96 \stackrel{\circ}{\sum}) = 0,95$

· Through: X1, ..., X wit N(p, Te) med pe Gent of T'uljant. Det han vises at (vises seinere i Kap 6.4): $\frac{d}{dx} \sum_{i=1}^{2} (X^{i} - h)_{x} = \frac{dx}{4} \cdot v \cdot \frac{1}{4} \sum_{i=1}^{2} (X^{i} - h)_{x} = \frac{dx}{4} \vee X_{x}^{x}$ du $\hat{\sigma}^{\prime} = \frac{1}{n} \sum_{i=1}^{n} (X_i - \mu)^2$ er forvertningsrett for σ^{\prime} her per bjet. Vi fer: $\left\{\left(\chi_{x^{-1/2}}^{\zeta}\right)^{2} \leq \frac{\sqrt{2}\zeta}{2\zeta} \leq \chi_{x^{-1/2}}^{\zeta}\right) = \gamma - \alpha$ Vi orforner wlikheten: $x_{r'-4}^{r-4}, v \leq \frac{a_{s}}{\kappa_{a_{s}}} \leq x_{s}^{-4}, v$ $\frac{1}{\sqrt{6}} \chi_{\Lambda^{-4/2}, \Lambda}^2 \lesssim \frac{1}{\sqrt{2}} \lesssim \frac{1}{\sqrt{2}} \chi_{\Lambda^{-4/2}, \Lambda}^2$ $\frac{x_i}{\sqrt{a_i}} \geq 4r \geq \frac{x_i^2}{\sqrt{a_i}}$ De blir 100. (1-01)% honfiderjutervall for T gitt ved

 $\left(\frac{\lambda_i^{A^{-1}}}{\kappa_{\Delta_i}}\right)$

. Though:
$$X_{A_1,...,X_n}$$
 is borouthi(q)

Vi has adviation $Q = \frac{1}{2N} - 1$ vot at

 $\overline{C(Q)} = Q$ og $V(Q) = \frac{Q(Q)}{N}$, sont at

 $\overline{Q(Q)} = Q$ og $V(Q) = \frac{Q(Q)}{N}$, sont at

 $\overline{Q(Q)} = Q$ og $V(Q) = \frac{Q(Q)}{N}$.

Vi has:

 $Q(z_{M_1} \leq \frac{Q_{M_2} - Q}{Q_{M_2} + Q_{M_2}} \leq z_{M_2}) \stackrel{Q}{\sim} A \sim \infty$

Vi far:

 $-z_{M_1} = \frac{Q_{M_2} - Q}{Q_{M_2} + Q_{M_2}} \leq z_{M_2} = \frac{Q_{M_2} - Q}{N}$
 $\longrightarrow Q_{M_1} = \frac{Q_{M_2} - Q}{Q_{M_2} + Q_{M_2} + Q} = \frac{Z_{M_1} - Q}{N} = \frac{Z_{M_2} - Q}{N} = \frac$