Mittelwerte:
$$\vec{n}_j = \frac{1}{N_j} \left(\frac{\sum_{i=1}^{N_j} n_i}{\sum_{i=1}^{N_j} n_i} \right)$$

$$\vec{n_0} = \frac{1}{6} \left(\left(\frac{1}{1} \right) + \left(\frac{2}{1} \right) + \left(\frac{2}{2} \right) + \left(\frac{2}{3} \right) + \left(\frac{3}{3} \right) \right) = \frac{1}{6} \left(\frac{11}{12} \right) = \frac{23}{12}$$

$$\vec{n_1} = \frac{1}{6} \left(\left(\frac{11}{12} \right) + \left(\frac{21}{12} \right) + \left(\frac{21}{12} \right) + \left(\frac{31}{12} \right) \right) = \frac{1}{6} \left(\frac{31}{12} \right) = \frac{1}{6} \left(\frac{3$$

Streumatrizen;

$$S_{n} = \overline{Z} S_{j}$$

$$S_{i} = \overline{Z} (\overline{x_{i}} - \overline{m_{j}}) (\overline{x_{i}} - \overline{m_{j}}) I$$

$$S_{0} = \begin{pmatrix} -1/12 \\ -1 \end{pmatrix} \begin{pmatrix} -11 \\ -12 \end{pmatrix} + \begin{pmatrix} 1/12 \\ -1 \end{pmatrix} \begin{pmatrix} 1 \\ -1 \end{pmatrix} \begin{pmatrix} 1 \\ -1 \end{pmatrix} \begin{pmatrix} -5 \\ -1 \end{pmatrix} \begin{pmatrix} -5 \\ -1 \end{pmatrix} \begin{pmatrix} -5 \\ -1 \end{pmatrix}$$

$$+ \left(\frac{7}{12}\right) \left(\frac{7}{72} \circ\right) + \left(\frac{7}{72}\right) \left(\frac{7}{72} \circ\right) + \left(\frac{13}{72}\right) \left(\frac{7}{72} \circ\right)$$

$$+ \frac{169}{169} + \frac{13}{12}$$

$$= \left(\frac{53}{24} \quad 2\right)$$

$$= \left(2 \quad 4\right)$$

$$S_{1} = \begin{pmatrix} -\frac{3}{2} \\ -\frac{2}{2} \end{pmatrix} \begin{pmatrix} -\frac{3}{2} \\ -\frac{7}{2} \end{pmatrix} + \begin{pmatrix} -\frac{1}{2} \\ -\frac{7}{2} \end{pmatrix} \begin{pmatrix} -\frac{1}{2} \\ -\frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{1}{2} \\ -\frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} -\frac{1}{2} \\ -\frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} + \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \\ \frac{7}{2} \end{pmatrix} \begin{pmatrix} \frac{7}{2} \end{pmatrix}$$

$$S_{n} = S_{n} + S_{n} = \begin{pmatrix} \frac{185}{29} & \frac{7}{2} \\ \frac{7}{2} & \frac{17}{2} \end{pmatrix}$$

$$S_{B} = \sqrt{n_{0}^{2} - n_{1}^{2}} (n_{0} - n_{1}^{2})^{T} = \left(-\frac{13}{12}\right) \left(-\frac{13}{12} - \frac{1}{12}\right) = \left(-\frac{13}{12}\right) \left(-\frac{13}{12} - \frac{1}{12}\right) \left(-\frac{13}{12} - \frac{1}{12}\right)$$

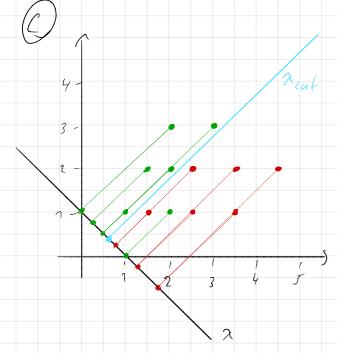
$$2^{*} = \sum_{w} (y_{0}^{5} - x_{1}^{5})$$

$$S_{w} = \frac{1}{\frac{185}{24}} \left(\frac{11}{2} - \frac{7}{2} \right) = \frac{48}{\frac{11}{2}} \left(\frac{11}{2} - \frac{7}{2} \right)$$

$$= \frac{185}{\frac{1447}{2}} \left(\frac{11}{2} - \frac{7}{2} \right)$$

$$= \frac{185}{\frac{1}{24}} \left(\frac{11}{2} - \frac{7}{2} \right)$$

$$\hat{A}^{*} = \frac{48}{1447} \left(\begin{array}{ccc|c} \frac{71}{2} & -\frac{7}{2} & -\frac{13}{12} & -\frac{149}{124} & -\frac{749}{24} & -\frac{749}{24}$$



Population O

Papulation 1

Ruf muss so genählt werden, dass möglichst wenig we-te falsch zugeordnet sind,

$$\lambda(x) = -\frac{367}{320} \times +1$$

Reinheit bzgl. Pop. 0: $R_0 = \frac{S}{5} = 1$ Reinheit bzgl. Pop. 7: $R_1 = \frac{G}{7}$ Effizicaz bzgl. Pop. 0: $E_0 = \frac{S}{6} = 1$