

 $\boldsymbol{\mu} = \begin{bmatrix} 3 \\ 2 \\ 1 \\ 4 \end{bmatrix} \boldsymbol{\Sigma} = \begin{bmatrix} 0 & 1 & 0 & 2 & 2 & 0 \\ 0 & 0 & 2 & 0 & 2 & 4 & 4 \\ 1 & 2 & 0 & 6 & 4 & 20 & 20 \\ 0 & 2 & 2 & 4 & 10 & 28 & 28 \\ 0 & 2 & 2 & 4 & 10 & 28 & 97 & 97 \end{bmatrix}$ -1 0 1 0 0 0 0 0 0 -1 0 0 0 -1 2 8 4 20 28 97 97

0

-1

5

(8)

 $\mathbf{X} = \{\mathbf{E}, \mathbf{Y}\}$ where $\mathbf{Y} = \{X_4, X_5, X_6, X_7\}$ $\mathbf{E} = \{X_1 = 2, X_2 = 2, X_3 = 1\}$

2 8 4 20 28 97 99

 $KL^{\mu_{Y}}(f, f^{\mu_{Y}}) = 2.375$ $KL^{\mu_{\rm E}}(f, f^{\mu_{\rm E}}) = 2.125$ $KL^{\Sigma_{YY}}(f, f^{\Sigma_{YY}}) = 1.629$ $KL^{\Sigma_{\rm EE}}(f, f^{\Sigma_{\rm EE}}) = 0.596$ $KL^{\Sigma_{\text{YE}}}(f, f^{\Sigma_{\text{YE}}}) = 0.265$

0

0

0 0 0 0 0 1 -2

0 0 -1 1 0 -2 0