multivariate more complex hypotheses outcome  $x = (1 \ 0 \ 0)$ e.g. measurements in Singapore erature Kiel e.g. change in day temperature over 1 year

for  $H_0$ :  $\underline{\beta}_{y_1} = \underline{\beta}_{y_2} = 0$  consider decision boundaries in uniand multivariate case two beta vectors for two output variable correlation of betas influences decision boundary multivariate univariate