

Find q^T : Determine t and compute
 $t^T X = q^T$

Test q^T is estimable : Compute $q^T H$ and
 verify that $q^T H = q^T$

Contrasts

□ Linear combinations of parameters

□ In R: contrasts used for a factor
 can be obtained by function `contrasts()`

matrix of estimable functions:

mat_est_fun =

	Agus	Limousin	Simmental
(Intercept)	1	0	0
Limousin	-1	1	0
Simmental	1	0	1

} $q^T[2:4]$

For given solution $b^{(0)} = \begin{bmatrix} \mu_0 \\ \alpha_1 \\ \alpha_2 \\ \alpha_3 \end{bmatrix}$ the normal

equations: T_1^0