To use this we substitute the parameter estimates for the parameters. Hence $\hat{\mathbf{l}} = c\mathbf{S}_n^{-1} \left(\widetilde{\mathbf{x}}_1 - \widetilde{\mathbf{x}}_2 \right);$ (7.23)

I is sometimes referred to as "Pisher's linear discriminant function" (Fig. 7.12).