

Likelihood based classification of growth curves

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Abstract

This presentation considers the discrimination between two populations of growth curves. We establish a classification procedure that is likelihood based, in that sense that we compare the two likelihoods given that the new observation belongs to respectively population. We also discuss the possibility that we classify the new observation to an unknown population, which we show is natural when considering growth curves.

Keywords

Discriminant analysis, Growth Curve model, Likelihood based.