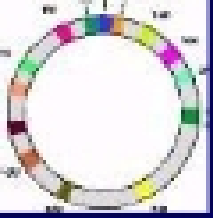


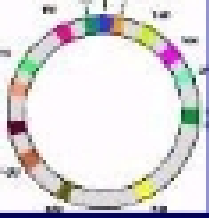
Discriminant Analysis

- **Useful to classify a sampling unit in one or other group.**
- **The discriminant function is a linear combination of several predictor variables.**
- **The discriminant function maximizes the between-group variation and minimize the within-group variation.**



A test on discriminant function

- **When the value of the discriminant model is significant, we reject H_0 : the group means are equal.**



What else we get out of discriminant analysis?

- **Which predictors are different?**
- **Which groups are different?**