

# Examen Multivariate Statistics - Januari 2020

Cluster analysis:

- Write a dendrogram of this output
- How many clusters would you recommend and with which other observations will obs1 be

Discriminant analysis:

- write the confusion matrix
- calculate the ECM
- calculate the ECM with random allocation

Canonical correlation:

- describe the relationship between the first pair of canonical variables
- give the  $H_0$  and  $H_a$ ,  $p$ ,  $q$ ,  $r$ ,  $m$  of the line (second eigenvalue )

SEM

- how many inputs
- draw the model

Multiple choice:

- The eigenvectors are the structural loadings in PCA if the data are standardized
  - False
- Iterative exploratory factor analysis increases the communalities after the first step.
  - False
- Iterative exploratory factor analysis with priors = smc increases the communalities in the initial step
  - False