

## Exam Multivariate Statistics Januari 2019

Question1: (Biplot of first two Eigenvectors is given with the amount of variance explained by each PCA, e.g. lambda1: 56% and lambda2: 21%)

Multiple Choice: The first Eigenvalue is 3.52 and the second Eigenvalue is 1.32

Question3: (SAS Output of an one-way MANOVA is given) What is the null and the alternative hypothesis?

Question5: (SAS Output of a SEM is given) What is the amount of inputs? How many parameters are estimated?