

Course 27411 Exercises 25/2 2013

PCR Exercise/Tutorial 1 (“Basic practice”)

1. Go to “PCR quick start” in the Help facility of Unscrambler and complete the tutorial.. and look closer at the plot explanations linked to at the end of the quick starter...

PCR Exercise 2 (IMPORTANT – to be presented by Team 3 Monday 4/3)

Use the Prostate data also used for the MLR-exercises.

1. Define test sets and training sets according to the last column in the data set.
2. Do PCR on the training set – use cross-validation.
 - a. Go through ALL the steps as above: model selection, validation, interpretation etc.
3. Predict the test set lpsa values.
4. What is the average prediction error for the test set – compare with the cross validation error in the training set.
5. Compare with an MLR prediction using ALL predictors. (Do NOT use the MLR feature of Unscrambler)