MATE-T580: Makeup Quiz

Name:

Question 1

Assume you have a dataset that contains grades of students from two different sections of the same course. Example:

StudentId	Section	FinalGrade
6214324	A	78
7845645	A	91
1433664	B	56
1545115	A	87
1463256	B	45
.	.	.
.	.	.
.	.	.

The name of the dataset is **grades**. Write an R line of code to generate the average grade by section:

Question2

What are the different algorithms and corresponding R libraries/functions that can be applied to classification type prediction problems:

Question 3

Next to each statement below, indicate whether the approach is more likely to lead to a high bias or a high variance model:

- Regression tree with depth of 20 levels

- knn classifier with k=1

- Linear regression where the polynomial degree of the independent variable is 10

- Regularized Logistic regression with lambda = 100