MathSys Centre for Doctoral Training
Viva Assessment Sheet

Module: MA930 DATA ANALYSIS & MACHINE LEARNING

Name of student: Aleksandra Tokaeva

Date of viva: 02 - 11 - 2023

Name of assessor 1: MAGNUS RICHARDSON

Name of assessor 2: RADU CIMPEANU

Grade from assessor 1: 73

Grade from assessor 2: 72

Final grade awarded (after consultation with other assessor): 73

Is the final grade an average of the two grades given by the individual assessors? YES / NO

Notes

5.50

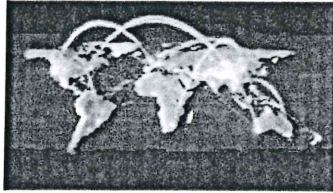Optimal topic - frequentist & Bayesian approaches → very clear

ABC + MCMC.
✓ perfect.

Linear Regression → Correct derivation ✓

K-means. KNN ✓

Assessor's signature: ....MR..

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Topic selected: frequentist versus Bayesian approach, nice board work with rich use of formulaic and schematic elements, good answer to follow-up questions on confidence interval.

Questions: - MCMC and ABC in the Bayesian context highlighted above, clearly explained with good use of technical detail

- autoregressive model ~~description~~ nicely described (including condition), was clearly a strong point that could be well explained in words as well, covered comprehensively.

- kNN tackled correctly, with good links to class content and nice examples.

Very well done!

Assessor's signature: ....