ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE PRESENTATION ABOUT THE WORK-PLACEMENT

Fuzzy sampling from measurable sets Date

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Chaired by Roswitha Rissner | Department of Mathematics

Wednesday, 16 March 2022 | 10:00–10:45

https://classroom.aau.at/math-stat

ABSTRACT

In addition to general information about the work placement, we discuss some methods to sample from sets, where sampled values are constrained by both crisp and fuzzy constraints. Fuzzy constraints, contrary to crisp constraints may take on values in the interval [0,1]. We will introduce a notion for satisfaction of fuzzy constraints and formulate the sampling problem accordingly. Additionally we will give a method to construct a random variable for sampling, which satisfies the constraints, assuming an appropriate initial random variable is provided. Finally, we apply these results on an example problem, motivated by a real world application.

We hope to see you there!