



# TOPOLOGY SEMINAR

## Further candidate axioms for Markov categories

By

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**Abstract:** The category of measurable spaces and Markov kernels is the first example of a Markov category; such a category has many additional properties which sometimes play an important role. We describe some of these properties axiomatically to make a Markov category into a category that “looks more like” a category of Markov kernels. Reference: Section 11 from “A synthetic approach to Markov kernels, conditional independence and theorems on sufficient statistics” by Tobias Fritz.

**Date:** Monday, December 12, 2022

**Time:** 13:30

**Place:** SA141 Mathematics Seminar Room