



# Analysis Seminar

## Hoeffding's Inequality

By

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**Abstract:** Concentration inequalities quantify how a random variable deviates from its mean by giving fast-decaying bounds on the tail probabilities. Such inequalities have very useful and interesting applications in statistics, data science, and machine learning. I will review Hoeffding's inequality with its proof and present some applications.

**Date:** Tuesday, March 3, 2020

**Time:** 16:00-17:00

**Place:** Mathematics Seminar Room, SA – 141

Tea and cookies will be served before the seminar.