STAT542
Statistical Learning

Pingbang Hu

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Abstract

This is a graduate-level theoretical statistics course taught by Matthew Harrison-Trainor at University of Illinois Urbana-Champaign, aiming to obtain insights into all other branches of mathematics, such as algebraic geometry, analysis, etc. Specifically, we will cover model theory beyond the basic foundational ideas of logic.

While there are no required textbooks, some books do cover part of the material in the class. For example, Marker's *Model Theory: An Introduction* [**marker2002model**], Hodges's *A Shorter Model Theory* [**hodges1997shorter**], and Hinman's *Fundamentals of Mathematical Logic* [**hinman2005fundamentals**].

This course is taken in Fall 2023, and the date on the covering page is the last updated time.

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