



4 Courses

**Discrete Math and Analyzing
Social Graphs**

**Calculus and Optimization
for Machine Learning**

**First Steps in Linear Algebra
for Machine Learning**

**Probability Theory, Statistics
and Exploratory Data
Analysis**



Sep 15, 2021

Luis Rafael Castillo Rico

has successfully completed the online, non-credit Specialization

Mathematics for Data Science

Behind numerous standard models and constructions in Data Science there is mathematics that makes things work. It is important to be able to see it to be successful in Data Science. In this specialisation we will cover wide range of mathematical tools and see how they arise in Data Science. We will cover such crucial fields as Discrete Mathematics, Calculus, Linear Algebra and Probability. To make your experience more practical we accompany mathematics with examples from Data Science. In the end of each course we will have a project directed at solving practical task in Data Science.

*W. S. K. ... D. P. ... S. L. ...
V. Chingchev ... A. ... Ilya Schur*

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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