

# Verified Certificate



A handwritten signature in black ink, appearing to read "John Tsitsiklis".

**John Tsitsiklis**

Professor, Department of Electrical Engineering and Computer  
Science

*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read "Eric Grimson".

**Eric Grimson**

Interim Vice President for Open Learning

*Massachusetts Institute of Technology*

This is to certify that

**John Kevin Barrera**

successfully completed and received a passing grade in

## **6.431x: Probability - The Science of Uncertainty and Data**

a course of study offered by MITx, an online learning initiative  
of the Massachusetts Institute of Technology.



**Verified Certificate**

Issued Diciembre 23, 2022

**Valid Certificate ID**

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