



4 Courses

Fundamentals of Scalable  
Data Science

Advanced Machine Learning  
and Signal Processing

Applied AI with  
DeepLearning

Advanced Data Science  
Capstone



Mar 25, 2023

**FILIP JAKUB BORZECKI**

has successfully completed the online, non-credit Specialization

# Advanced Data Science with IBM

As a coursera certified specialization completer you will have a proven deep understanding on massive parallel data processing, data exploration and visualization, and advanced machine learning & deep learning. You'll understand the mathematical foundations behind all machine learning & deep learning algorithms. You can apply knowledge in practical use cases, justify architectural decisions, understand the characteristics of different algorithms, frameworks & technologies & how they impact model performance & scalability.

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.

Tom Hanlon  
Training Director  
Skymind

Ilja Rasin  
Data Scientist  
IBM Watson Health

Romeo Kienzler  
Chief Data Scientist  
IBM Watson IoT

Max Pumperla  
Deep Learning Engineer

Niketani Pansare  
Senior Software  
Engineer  
IBM Research

Nikolay Manchev  
Senior Data Scientist  
IBM EMEA Data Science  
(2015-2019)

Verify this certificate at:

<https://coursera.org/verify/specialization/4C82CLS4C696>