

AI & Machine Learning Education Track

IBM A3 Center
Online Training

Office of the Federal CTO

March 16, 2020



IBM A3 Training

A3 Center Events



IBM is offering hands-on in-person and Virtual workshops and thought-leadership events for clients and practitioners to learn about Analytics, Automation, and AI solutions. Visit us at www.ibm.com/A3Center

IBM Badges



A Digital Badge is a cross-industry recognition of technical skills which can be displayed on professional networking sites and digital signatures. IBM is supporting this program through the creation of a wide variety of badges covering a multitude of technical and professional areas.

IBM Data Science Professional Certificate



IBM has developed several Data Science and AI Professional Certificates on Coursera with a strong emphasis on applied learning. Courses include a series of hands-on labs and are performed in the IBM Cloud. Throughout the Professional Certificate courses, students are exposed to a series of tools, libraries, cloud services, datasets, algorithms, assignments and projects that will provide you with practical skills with applicability to real jobs that employers value.

On-line Machine Learning Classes

Background Data Science

From CognitiveClass.ai:

- Python for Data Science: <https://cognitiveclass.ai/courses/python-for-data-science>
 - Data Science Tools: <https://cognitiveclass.ai/courses/data-science-hands-open-source-tools-2>
 - Optional: R-101: <https://cognitiveclass.ai/courses/r-101>
 - Optional:
 - Deep Learning Fundamentals: <https://cognitiveclass.ai/courses/introduction-deep-learning>
 - Deep Learning with Tensorflow <https://cognitiveclass.ai/courses/deep-learning-tensorflow>
 - Accelerated Deep Learning with GPU: <https://cognitiveclass.ai/courses/accelerating-deep-learning-gpu>
- (Complete Deep Learning path to get Deep Learning Badge)

The above courses provide education on concepts and Open Source and are not IBM Product Specific

- Learning Path: Getting started with machine learning (12/4/19):
<https://developer.ibm.com/technologies/data-science/series/learning-path-machine-learning-for-developers>

On-line Machine Learning Classes

IBM AI/ML Training

From www.ibm.com/services/learning/badge: (provide Acclaim badges for completion)

- Watson Studio Essentials (Watson Academy badge):
 - Learn how to setup Data Science projects; use notebooks; analyze data; get public data assets; and use Rstudio.
 - <https://www.ibm.com/services/learning/badge/7d1f2898-2bcb-40c2-a9ef-c1dc6a348b95>
- IBM Watson Machine Learning Essentials (Watson Academy Badge):
 - Learn typical use cases for machine learning and how to create a variety of different machine learning models.
 - <https://www.ibm.com/services/learning/badge/f2d3d30b-2c1b-4ea6-86f0-caf5fa1bf48b>
- Watson OpenScale Foundations (Watson Academy badge):
 - Learn how OpenScale can provide explainability and detect and remediate bias in AI decision making.
 - <https://www.ibm.com/services/learning/badge/32745c42-41f6-45d4-b99d-964156c2814d>
- Watson Discovery Service Foundation (Watson Academy badge):
 - Learn Discovery service use cases and how Discovery refines the values of your data
 - <https://www.ibm.com/services/learning/badge/22cbd059-b2b9-4349-a473-d58f48dbdf2e>

On-line Machine Learning Classes

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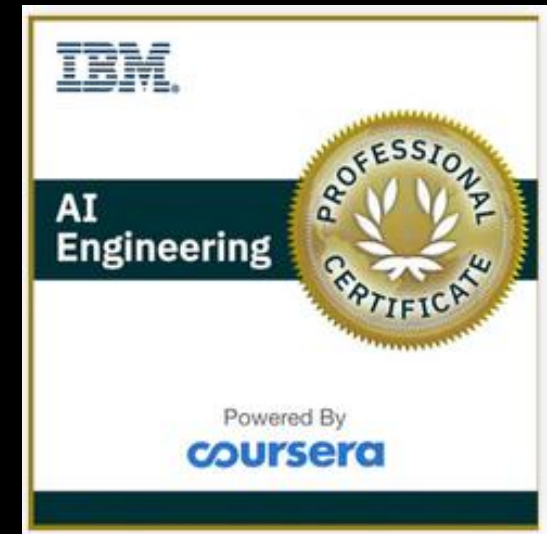
From www.ibm.com/services/learning/badge: (provide Acclaim badges for completion)

- Watson Assistant Foundation (Watson Academy badge):
 - Learn the capabilities of the Assistant, what to consider when designing an Assistant, and the service tooling
 - <https://www.ibm.com/services/learning/badge/a79f37ac-18ff-4e74-aea9-74aa8e76c7e4>
- The following courses come from: <https://developer.ibm.com/technologies/>
- Learning Path: Getting started with IBM Cloud Pak for Data (2/24/20):
 - Learn how to use this unified, pre-integrated data and AI platform that runs on Red Hat Open Shift.
 - <https://developer.ibm.com/series/cloud-pak-for-data-learning-path/>
- Learning Path: Getting started with Watson Open Scale (10/15/19):
 - Learn how to manage production AI with trust and confidence
 - <https://developer.ibm.com/technologies/data-science/series/learning-path-watson-openscale>

On-line Machine Learning Classes

Coursera Courses (fee)

- IBM Data Science Certification (Beginner):
<https://www.coursera.org/professional-certificates/ibm-data-science>
- Advanced Data Science with IBM Specialization(Advanced):
<https://www.coursera.org/specializations/advanced-data-science-ibm>
- IBM Applied AI Professional Certification (Beginner):
<https://www.coursera.org/professional-certificates/applied-artificial-intelligence-ibm-watson-ai>
- IBM AI Engineering Professional Certificate (Advanced):
<https://www.coursera.org/professional-certificates/ai-engineer>
- IBM AI Enterprise Workflow Specialization
<https://www.coursera.org/specializations/ibm-ai-workflow>



Next Step:

Enroll in Free In-Person and Virtual
Instructor-led hands-on
artificial intelligence and
machine learning workshops

See the schedule at
www.ibm.com/A3Center

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