



Apr 17, 2021

# Mirjam Kirchner

has successfully completed

## AI Workflow: Business Priorities and Data Ingestion

an online non-credit course authorized by IBM and offered through Coursera

Mark J Grover  
Digital Content Delivery Lead  
IBM Data & AI Learning

Ray Lopez, Ph.D.  
Data Science Curriculum Leader  
IBM Data & Artificial Intelligence

### COURSE CERTIFICATE



Verify at [coursera.org/verify/BW749A3NDT7F](https://coursera.org/verify/BW749A3NDT7F)  
Coursera has confirmed the identity of this individual and their participation in the course.



Apr 22, 2021

# Mirjam Kirchner

has successfully completed

## AI Workflow: Data Analysis and Hypothesis Testing

an online non-credit course authorized by IBM and offered through Coursera

COURSE  
CERTIFICATE



Mark J Grover  
Digital Content Delivery Lead  
IBM Data & AI Learning

Ray Lopez, Ph.D.  
Data Science Curriculum Leader  
IBM Data & Artificial Intelligence

Verify at [coursera.org/verify/8AGEJQKW8QCM](https://coursera.org/verify/8AGEJQKW8QCM)  
Coursera has confirmed the identity of this individual and their  
participation in the course.



May 5, 2021

**Mirjam Kirchner**

has successfully completed

**AI Workflow: Feature Engineering and Bias  
Detection**

an online non-credit course authorized by IBM and offered through Coursera

Mark J Grover  
Digital Content Delivery Lead  
IBM Data & AI Learning

Ray Lopez, Ph.D.  
Data Science Curriculum Leader  
IBM Data & Artificial Intelligence

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/XE3WRR6J3LS5](https://coursera.org/verify/XE3WRR6J3LS5)  
Coursera has confirmed the identity of this individual and their  
participation in the course.



May 17, 2021

# Mirjam Kirchner

has successfully completed

## AI Workflow: Machine Learning, Visual Recognition and NLP

an online non-credit course authorized by IBM and offered through Coursera

Mark J Grover  
Digital Content Delivery Lead  
IBM Data & AI Learning

Ray Lopez, Ph.D.  
Data Science Curriculum Leader  
IBM Data & Artificial Intelligence

### COURSE CERTIFICATE



Verify at [coursera.org/verify/3SWZDCXTEUKV](https://coursera.org/verify/3SWZDCXTEUKV)  
Coursera has confirmed the identity of this individual and their participation in the course.



May 25, 2021

**Mirjam Kirchner**

has successfully completed

**AI Workflow: Enterprise Model Deployment**

an online non-credit course authorized by IBM and offered through Coursera

COURSE  
CERTIFICATE



Mark J Grover  
Digital Content Delivery Lead  
IBM Data & AI Learning

Ray Lopez, Ph.D.  
Data Science Curriculum Leader  
IBM Data & Artificial Intelligence

Verify at [coursera.org/verify/LFFM2UESKSWV](https://coursera.org/verify/LFFM2UESKSWV)  
Coursera has confirmed the identity of this individual and their  
participation in the course.