



# AI: Machine Learning Essentials

*An engaging training course in the technique shaping the industry*

It probably seems like not a day goes by without a dozen new articles from industry publications about the promise of machine learning for the management and construction of capital projects. But most of us have not taken the time to deeply understand how ML works and how it can work for us. This course will de-mystify ML and put you back on the cutting edge. To add some perspective, you'll compete against the computer in some games. Who does a better job: humans or the computer? And in which scenarios? The answers may surprise you!

## SAMPLE TOPICS

Artificial Intelligence

Machine Learning

Deep Learning

### AI / ML / DL — Say What?

Learn the difference between Artificial Intelligence and Machine Learning, Deep and Shallow Learning, and between Supervised and Unsupervised Learning.



### Pattern Recognition

Learn how images are being automatically analyzed to detect safety risks.

## COLONNADE CURRICULUM

Expert-led classes covering the most powerful concepts for managing and operating the built environment

## REGISTRATION

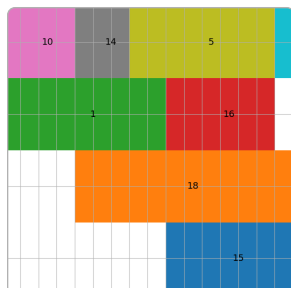
**\$349**

**per course**

Select a time and purchase at

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## MORE SAMPLE TOPICS



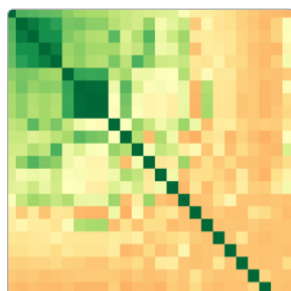
### Schedule and Portfolio Optimization

Learn how to optimize the planning and delivery of even the most complex work schedules.



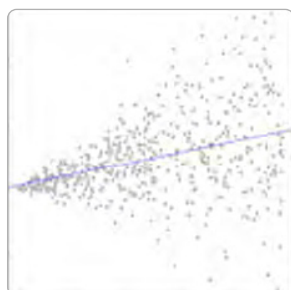
### Internet of Things

Learn how activities and locations are being captured automatically.



### Prediction

Learn how the number of building temperature change requests and anomalies can be predicted (hot/cold calls).



### Sensitivity Analysis

Learn how to evaluate ML-generated results and automatically improve them.

## COMMON TO ALL COURSES

### Colonnade Course Kit

A few days before your course, we will drop ship a collection of goodies to help with class exercises and keep you energized.

### Duration

2 four-hour sessions over two consecutive days (8 hours total). In these jam-packed sessions time doesn't crawl by, it rockets past!

### Frequency

Each course runs 2-3 times a month, at variety of times, so that you can find one that fits your time zone.

### Prerequisites

You'll need a computer and internet connection, as well as a way to share audio and video (typically your computer or smartphone).

### Credits

Each course qualifies as 8 hours of Project Management Professional (PMP®) continuing education credits.

### Takeaway

You'll leave class with the valuable knowledge and skills we covered throughout the course and the opportunity to make new business contacts with fellow students and instructors. Use our PDF filled with the topics, exercises, and notes covered in class to serve as an ongoing reference.