

## UMaine AI

# *Maine Artificial Intelligence Webinar*

## *Education and Workforce Development*

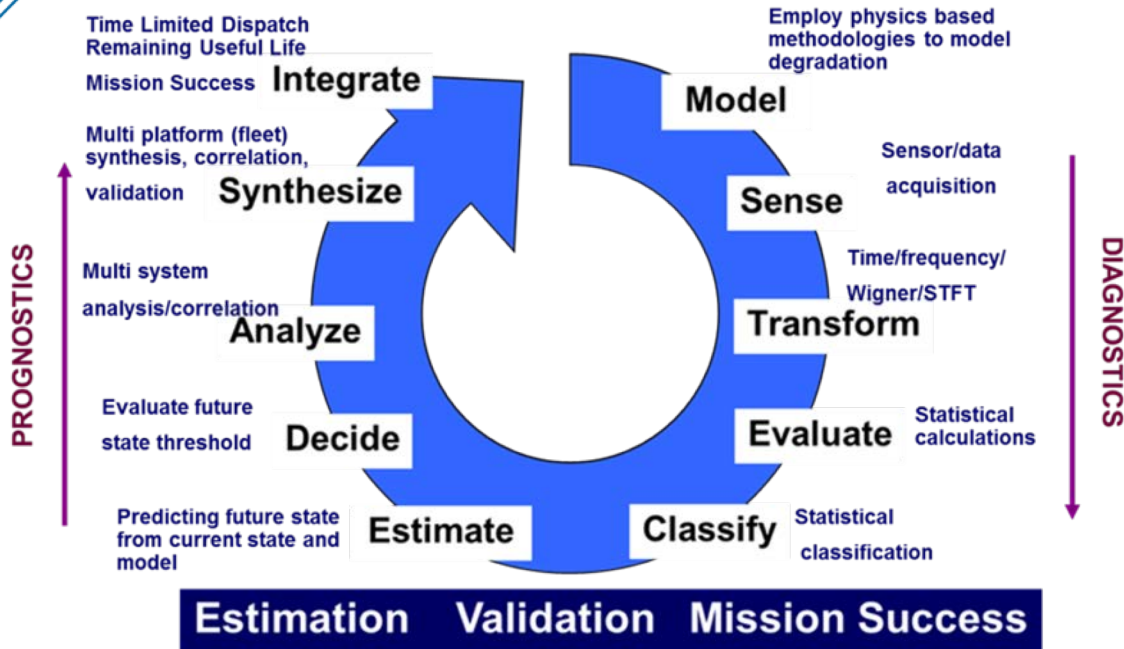
*W.D. Rawle, PhD*

*Chair, IEEE Maine Section*

*Founder/CTO Oxford Analytics LLC*

*Sr. Principal Systems Engineer GD-OTS*

*April 29, 2020*

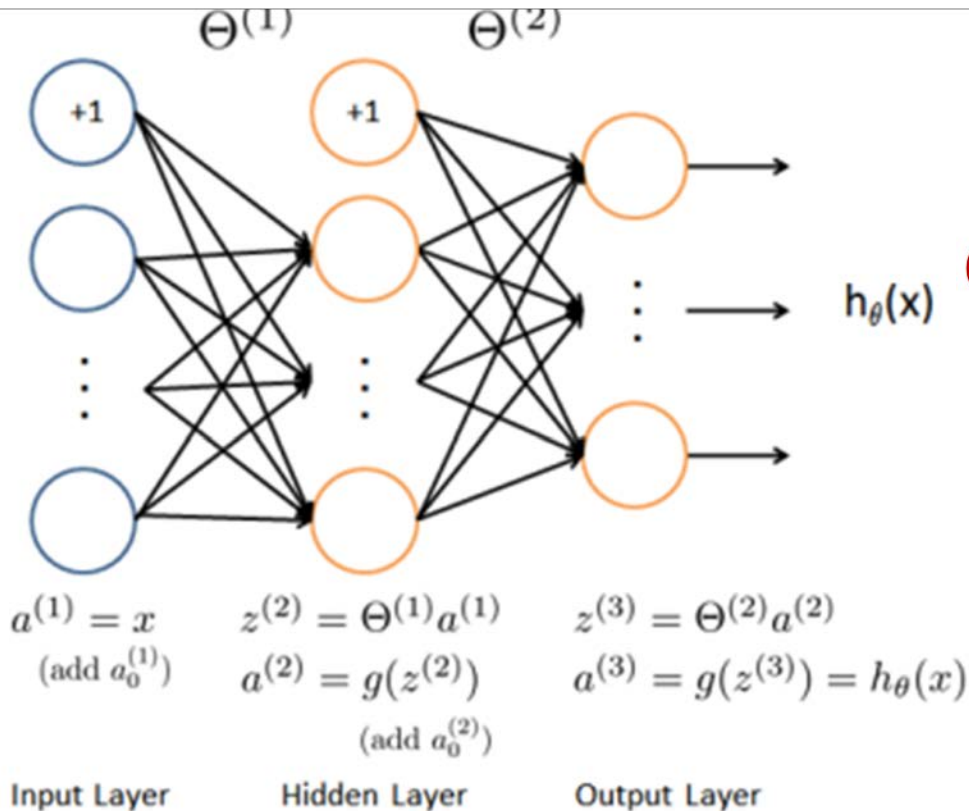


**N201-X02: ADAPT – Naval Depot Modernization and Sustainment - KEYWORDS: Artificial Intelligence; AI; Machine Learning; ML; Data Analytics; Autonomy; Command, Control, and Communications; Robotic, Model Based Enterprise;**

**N201-085: Machine Learning Based Data Analysis - KEYWORDS: Data Analysis; Machine Learning; Pattern Matching; Anomaly Detection; Classification; Data Mining; Behavior Based Detection**

***An exponentially increasing demand for artificial intelligence***

# Workforce Education: AI Applications



# PYTORCH

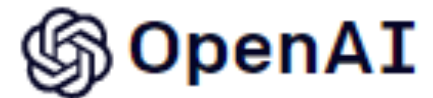
 TensorFlow

[deeplearning.mit.edu](https://deeplearning.mit.edu)

[introtodeeplearning.com](https://introtodeeplearning.com)

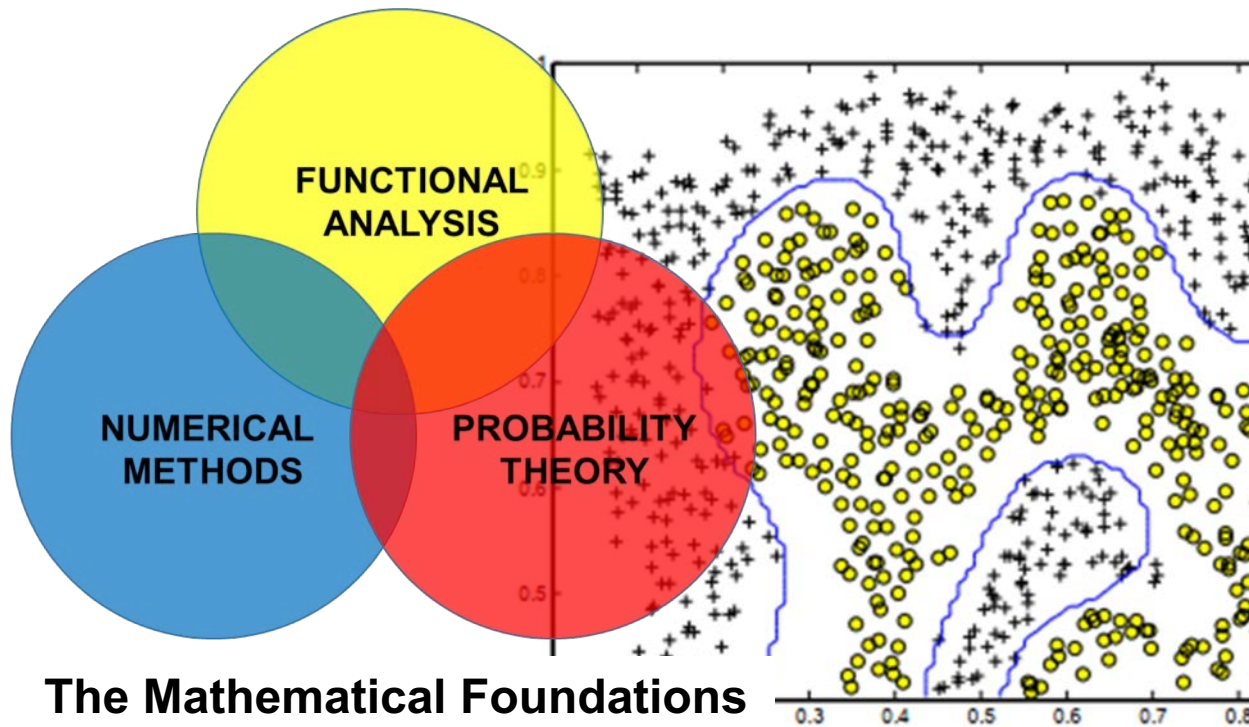






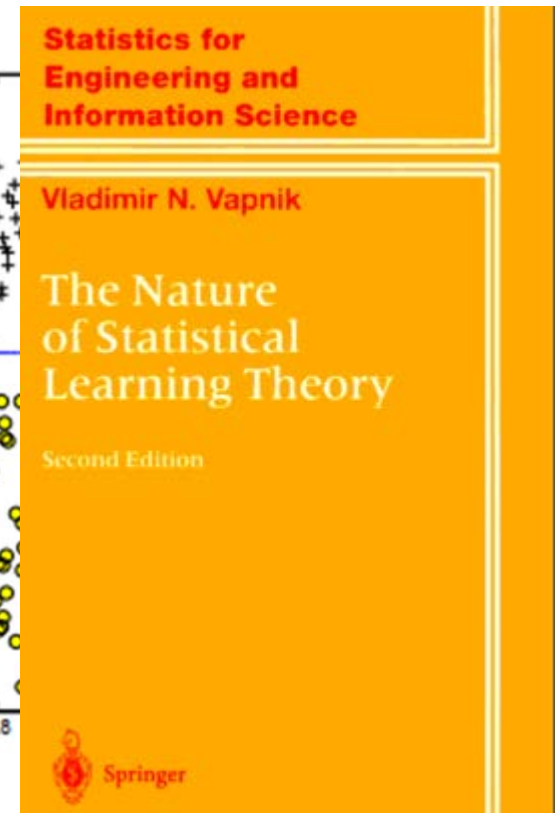
Excellent resources are available to educate AI practitioners

# Workforce Education: AI R&D



**The Mathematical Foundations  
of Artificial Intelligence**

*16<sup>th</sup> Maine Society of Professional Engineers  
Education Symposium*



**A strong foundation: mathematics, engineering, computer science**



# *Artificial intelligence for a changing world*



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