# Resilient Edge-Cloud Autonomous Learning with Timely inferences

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# This week:

**PyTorch**

- Basics of pattern recognition and Machine Learning (PPA - Patterns, Predictions, Actions)
- Created a node image with Pytorch
- Basics of Pytorch
- Created small Machine Learning models
- Loaded the Modified National Institute of Standards and Technology (MNIST) database onto the node

# Next Week:

- Create and train a "small" and "large" Neural Network
- Attempt to simulate the difference between their performances at inference