Machine Learning Using SAS® Viya

Course Contents

Introduction

- Machine learning in business decision making
- Essentials of supervised prediction
- Introduction to SAS Viya
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Data Preparation

- Data exploration
- Feature extraction
- Input transformations
- Feature selection
- Variable clustering (self-study)
- Best practices
- Selecting your algorithm

Decision Trees and Ensembles of Trees

- Introduction
- Tree-structure models
- Recursive partitioning
- Pruning
- Ensembles of trees

Logistic Regression

- Introduction
- Logistic regression model
- Model selection

Neural Networks

- Introduction
- Network architecture
- Network learning and optimization

Support Vector Machines and Additional Topics

- Large-margin linear classifier
- Methods of solution
- Additional tools

Model Assessment and Deployment

- Model assessment and comparison
- Model deployment