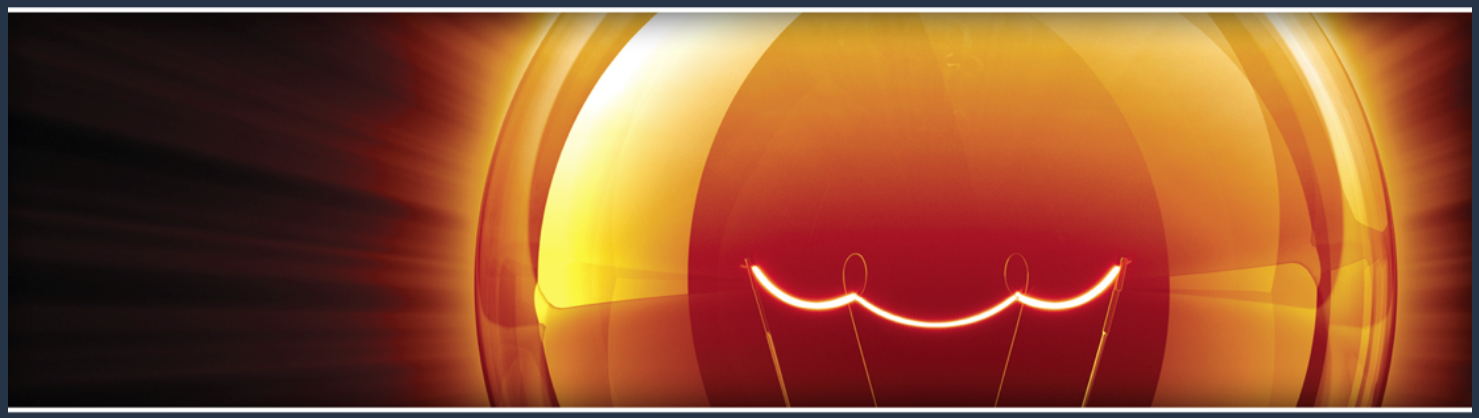
Machine Learning: Algorithms and Applications

While we are waiting to start...

1. Download and unzip the course materials (you should have received a link to the Google drive in the class email)
    - If you do not have the link, please let me know
2. Launch Andaconda (Python version 3) and launch Jupyter Notebook
3. Locate your course materials from Machine Learning : Algorithms & Applications (the first class) and open the Decision Trees excercise and review it.

Develop Intelligence



Learning Solutions to Attract, Retain, and Grow your top technical talent.


Microsoft Azure
amazon web services
Ruby
ANGULARJS by Google
Jenkins
RAILS
MySQL
BACKBONE.JS
APACHE ANT
ivy
GRAILS
ember
Marionette
Gulp
gradle
hadoop
GRUNT
lucene
git
GWT
ORACLE
.js
Sass
python
Java
perl
Scala
handlebars
less
spring
jQuery
Seam
CHEF
puppet labs
React
APACHEWICKET
OpenCL
Jasmine
mocha
Se
mongoDB
NVIDIA
HTML 5

Technology Training with sales*f*orce

The Machine Learning Journey at sales $f$orce

- Learn how Einstein works and make it work for your products: solve problems and build innovative products with Machine Learning (Trailhead)
    - Provides a foundation on Machine Learning and related topics
- Machine Learning: Data Foundation (2-day ILT)
    - Focuses on the theory of Machine Learning with the goal of creating a shift in mindset
- Machine Learning: Algorithms and Applications (3-day ILT)
    - Takes deeper dive into Machine Learning algorithms and provides and opportunity for hands-on application

This course was created by DevelopIntelligence with participation from your sales$f$orce experts:

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- Ana Bertran, Principal Data Scientist, Infrastructure Analytics
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Project Sponsors

- Indira Uppuluri
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Program Manager

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Goals

1. Deepen your understanding of Machine Learning
2. Understand the process
3. More familiarity with tools
4. Practice various aspects of the approach
5. Familiarity with Algorithms
6. Importance of Data Cleansing

Agenda - Day 1

- Introduction
- Python Numerics
- Pandas
- Data-Driven
- SciKit-Learn

Agenda - Day 2

- Data Science
- Data Cleansing
- Data Visualization
- Data Exploration
- Model Deeper Dives

Agenda - Day 3

- Dimensionality Reduction
- Date and Time-Handling
- Model Evaluation
- Performance
- Product-Based Exercise

Schedule

Day 1

Day 2

Day 3