Welcome to Machine Learning: Data Foundation!

While we are waiting to start...

- Download and install Anaconda (Python version 3)
  - https://www.anaconda.com/download
- At the *Installation Type* phase:
  - Click **Change Install Location** / **Install for me only**
  - Choose **Customize** and *disable* the **Modify PATH** option
- 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

Machine Learning: Data Foundation

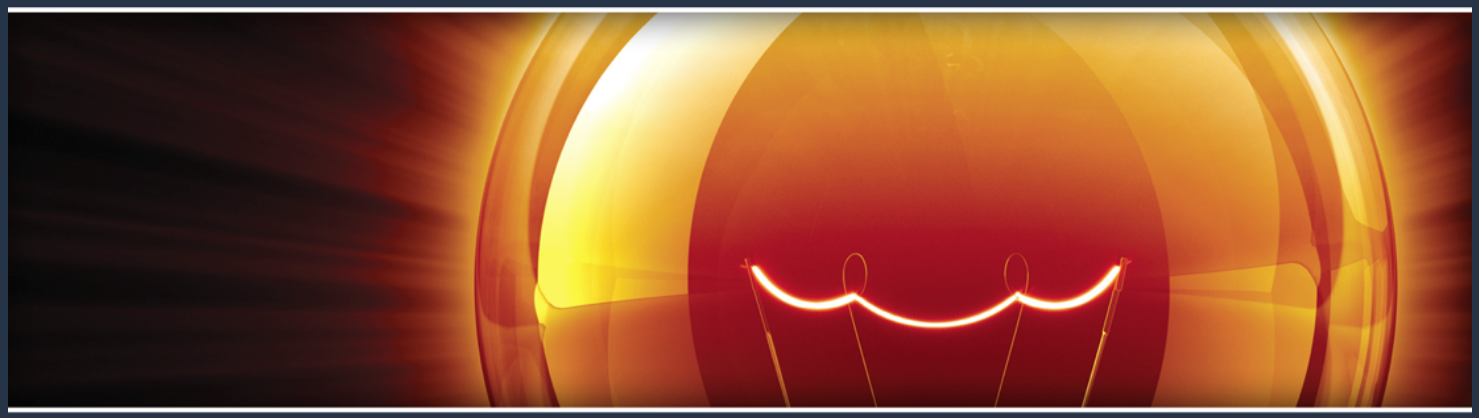
Schedule

Start and Stop: 9am to 4pm

Lunch: Noon to 1pm

Breaks as needed (usually every 60-75 mins or so)

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
node
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 & 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:

- Lidor Avigad, Senior Manager, Software Engineering
- Ana Bertran, Principal Data Scientist, Infrastructure Analytics
- Justin Donaldson, Principal Data Scientist
- Tejaswini Ganapathi, Data Engineer

Project Sponsors

- Indira Uppuluri
- Jayesh Govindarajan

Program Manager

- Michael Kohanfars

Goals

1. Understand the role of Machine Learning
2. Where Machine Learning fits into Information Technology strategies
3. Technical and business drivers
4. What it takes to be Data-Driven
5. Basic workflows for experimentation and deployment
6. Difference between Supervised and Unsupervised learning
7. Visualization strategies for understanding
8. How Machine Learning is being used at sales$f$orce
9. How Machine Learning can go wrong

Agenda - Day 1

- Introduction (Overview)
- Data and Data Processing (Preparing Data)
- Data Sources (Preparing Data)
- Data-Driven (Exploring Data)

Agenda - Day 2

- Visualization (Visualizing Data)
- Data Science (Final Step to Machine Learning)
- Data-Directed (Machine Learning)
- Infrastructure Demo (Machine Learning)

Schedule

Day 1

Day 2