Workshop Recommender Systems

- **Formato do curso:** Live training
- **Preço:** 935€
- **Duração:** 14 horas

Recommender Systems course is designed as a comprehensive introduction into Recommender Systems.

It needs a good understanding of Basic Machine Learning and a fair understanding of linear algebra.

Esta formação é ministrada em Inglês.

Em parceria com a entidade acreditada:

DevOps Artisan

Pré-requisitos

- Machine Learning in Tensorflow/Keras Fundamentals

Nice to have:

- Basic Deep Learning
  - Neurons
  - Types of Layers
  - Networks
  - Loss Functions
  - Optimizers
  - Overfitting
  - Tensorflow

Programa

Recommender Systems and where to find them

- Google
- Ads
- Netflix

Basic Recommender Systems

- Cosine Distance
- SVD
- SVD for recommendation system factorization

Hands-on Lab:

- Implement Singular Value Decomposition
- Understand how it affects the Cosine Distance

Candidate Generation

- Content Based Filtering
- Collaborative Filtering
- Matrix Factorization

Hands-on Lab: Use the studied matrix factorization techniques to implement a basic recommendation system and benchmark the factorization methods

Recommender using Deep Neural Networks

- Softmax Model
- Softmax Embedding
- Embeddings for Neural Networks
- Item2Vec

Hands-on Lab: Build a recommendation system using neural networks embeddings for IMDB movies

Ranking

- Retrieval
- Scoring
- Re-ranking

Hands-on Lab:

- Learn how to improve your previous model by understanding how the movie ranking is made
- Implement your Collaborative Filtering and Hybrid Collaborative Filtering methods to make a better recommendation system

Autoencoder for Recommender Systems

- Autoencoders
- Latent Spaces
- Variational Autoencoders

b Build a recommendation system for retail stores using Autoencoders