Handout_V2

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Contents

Chapter 1

Information

1.1 Usefull ressource

Feature engenering : http://www.feat.engineering/review-predictive-modeling-process.html Semi supervized learning : https://www.analyticsvidhya.com/blog/2017/09/pseudo-labelling-semi-supervised-learning-technique/ - Machine Learning wth unlabbeled data : psuedo labeling

1.2 todo

- create Blogdown
- tydiverse package
- Tensorflow for deep learning : open source software library developed at google for complex computation

1.3 interesting stuff

- polynomial regression using kernel smoothing

- Logistic regression using 5 fold stratified cross validation

- blockchain data science

- reinforcement learning

- adversarial training -Deep Learning

    - microsoft service
    - Tensorflow : read exemple
    - RKWard : free and open source Graphical User Interface for the R software

- ML with H2O, lime, Keras

- spark R

- image recognizing with R

- sentiment analysis = microsoft azure

- data privacy

- data quality control
- Web developpement
- Shiny : (microsoft azure serveur pour upload
- Rmarckodw :
- blogdown (Hugo)
- Insurance
- fraud
- underwriting models : predict somebody's insurance risk
- marketing predition
- customer segmentation

Chapter 2

Summary

This is the first real chapter.

Chapter 3

Diving In

Now let's talk details.