Association Rule MIning

- Apriori
- FP GROWTH WITH **LIFT**
  https://www.youtube.com/watch?v=ejKGCy80RN8&list=PLVqWg8KffRp2W7no9LNm7CdcQ78XrWj7M

Sequential Pattern Mining

- Generalized search mining
  https://www.youtube.com/watch?v=aR5270l3YMg
  https://www.youtube.com/watch?v=zVPg6Q6hitk

Decision Trees

- DECISION TREE WITH GINI
  https://www.youtube.com/watch?v=gwgmSSTdiXs&list=PLKnIA16_RmvYGY_n9PP8zN-0LG9MoZRjU

  for Entropy, Information Gain Calculation
  https://discourse.opengenus.org/t/using-id3-algorithm-to-build-a-decision-tree-to-predict-the-weather/3343

Ensemble methods

- Voting regressor
- Bagging
  - Soft voting
  - Hard voting
  https://www.youtube.com/watch?v=m5E6QxKFYlM
  https://www.youtube.com/watch?v=OgK8JFjkSto&list=PLTKMiZHVd_2KyGirGEvKlniaWeLOHhUF3
  https://www.youtube.com/watch?v=bHK1fE_BUms&list=PLKnIA16_RmvZyqP3WGUo7iVziIIea_1bp
  https://www.youtube.com/watch?v=74DU02Fyrhk

Random Forest

- Cross-validation
  - K-fold
  - Stratified kfold
  - Leave One-p-out validation
  - Leave one-out validation

  KNN
  - Discrete-valued target function
- Hamming distance for nominal and binary attributes
  - Weighted similarity measure
  - Distance-weighted nearest neighbour algorithm
  - Real-valued target function

Bayesian Learning

Bayesian Classification
Naive Bayes Classification
Gaussian Naive Bayes Classification
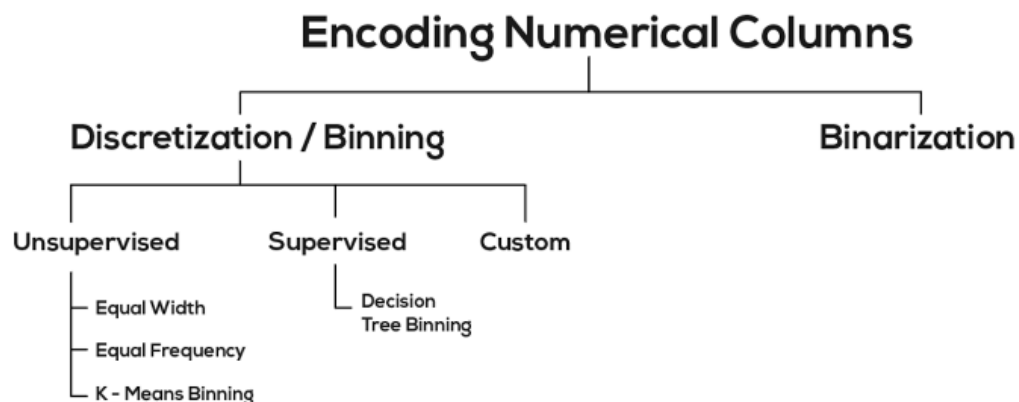Zero-Frequency problem
Laplace smoothing
- Sentiment Analysis using multinomial and bernoulli Naive Bayes
  Multinomial Naive Bayes
  Bernoulli Naive Bayes
  Sentiment analysis using bernoulli
- Multinomial Naïve Bayes Classifier

  https://www.youtube.com/watch?v=lFJbZ6LVxN8&t=0s
  https://www.youtube.com/watch?v=3I8oX3OUL6I&t=927s
  https://www.youtube.com/watch?v=yRzIyWVEaCQ

  Gold (Probability vs Likelihood)
  https://www.youtube.com/watch?v=QBFVcBXRzu4

  Multinomial and Bernoulli Naïve Bayes Classifier

  https://www.youtube.com/watch?v=mqYa0LaA9WI
  https://www.youtube.com/watch?v=4_OaKSWsJn0
  https://www.youtube.com/watch?v=OAjDoFbq5Nw
  https://www.youtube.com/watch?v=IvTCdrx1SHQ

Feature Scaling

https://www.youtube.com/watch?v=sxEqtjLC0aM
https://www.youtube.com/watch?v=bqhQ2LWBheQ

Adaboosting
- General
- SEMME

https://www.youtube.com/watch?v=avs14cAFyHE&list=PLgaemU2xZlTieGRRTAdDlHOgxr-bs6pfr&index=8
https://www.youtube.com/watch?v=LVStXzGpA7Y&list=PLgaemU2xZlTieGRRTAdDlHOgxr-bs6pfr&index=9
https://www.youtube.com/watch?v=tPeRalG7gYY&list=PLgaemU2xZlTieGRRTAdDlHOgxr-bs6pfr&index=10
https://www.youtube.com/watch?v=nPzW-AmPSLs&list=PLgaemU2xZlTieGRRTAdDlHOgxr-s6pfr&index=11
https://www.youtube.com/watch?v=sFKnP0iP0K0&t=37s
https://www.youtube.com/watch?v=RT0t9a3Xnfw&t=930s
https://www.youtube.com/watch?v=a20TaKNsriE
https://www.youtube.com/watch?v=JmXnztjULnQ
https://www.youtube.com/watch?v=EKatfc6W1DU

K Mean
K Mean ++
https://www.youtube.com/watch?v=w5fjvhPATPY&list=PLgaemU2xZlTisMjcQUvU8UzOpK4QXcUq-&index=44&pp=iAQB
https://www.youtube.com/watch?v=hToqjr5Kx4Q&list=PLgaemU2xZlTisMjcQUvU8UzOpK4QXcUq-&index=45&pp=iAQB
https://www.youtube.com/watch?v=ga3sofscV1E&list=PLgaemU2xZlTisMjcQUvU8UzOpK4QXcUq-&index=46&pp=iAQB
https://www.youtube.com/watch?v=6X15aLmMCcg&list=PLgaemU2xZlTisMjcQUvU8UzOpK4QXcUq-&index=47&pp=iAQB
https://www.youtube.com/watch?v=4qJWhvFQb9g
https://www.youtube.com/watch?v=HatwtJSsj5Q&t=324s

Hierarchical Clustering (Agglomerative)
https://www.youtube.com/watch?v=Ka5i9TVUT-E&t=1941s&pp=ygUgY2FtcHVzIHggaGllcmFyY2hpY2FsIGNsdXN0ZXJpbmc%3D
https://www.youtube.com/watch?v=QXOkPvFM6NU&t=693s

https://www.youtube.com/watch?v=RdT7bhm1M3E

OPTICS and DBSCAN

https://www.youtube.com/watch?v=CV0mWaHOTA8&t=4s
https://www.atlantbh.com/clustering-algorithms-dbscan-vs-optics/

Model Evaluation with Confusion Matrix and Classification Report

https://app.myeducator.com/reader/web/1421a/9/wa1y4/
https://pub.towardsai.net/multi-class-model-evaluation-with-confusion-matrix-and-classification-report-c92a74d5e908

Linear and DT Regression