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38+ PERFORMANCE METRICS

PERFORMANCE METRIC

- Evaluating your machine learning algorithm is an essential part of any project.
- Next step after implementing a machine learning algorithm is to find out how effective is the model based on metric and datasets.
- Different performance metrics are used to evaluate different kinds of problems.
- Let's see....

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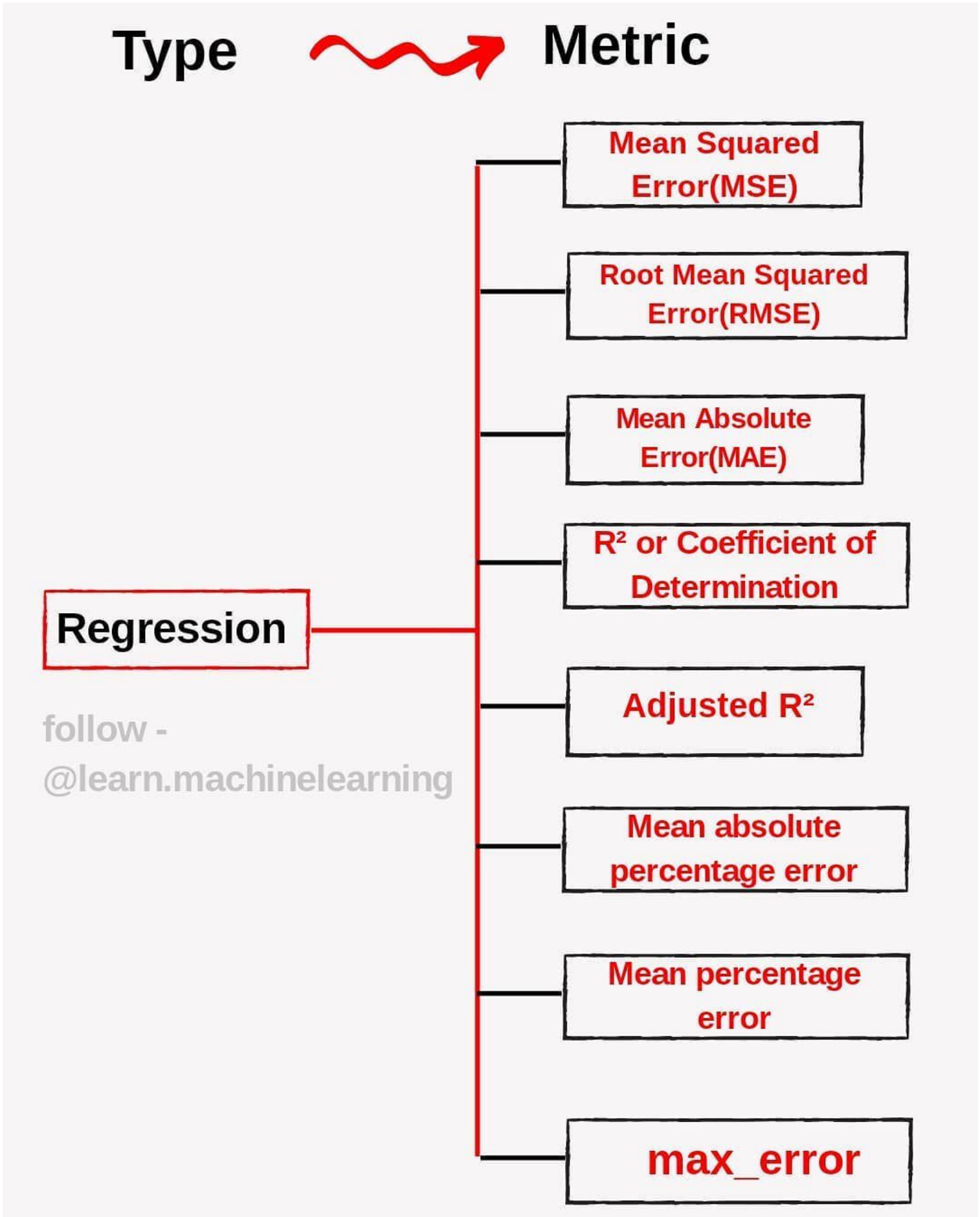
Type
Metric
Regression
Mean Squared Error(MSE)
Root Mean Squared Error(RMSE)
Mean Absolute Error(MAE)
R² or Coefficient of Determination
Adjusted R²
Mean absolute percentage error
Mean percentage error
max_error
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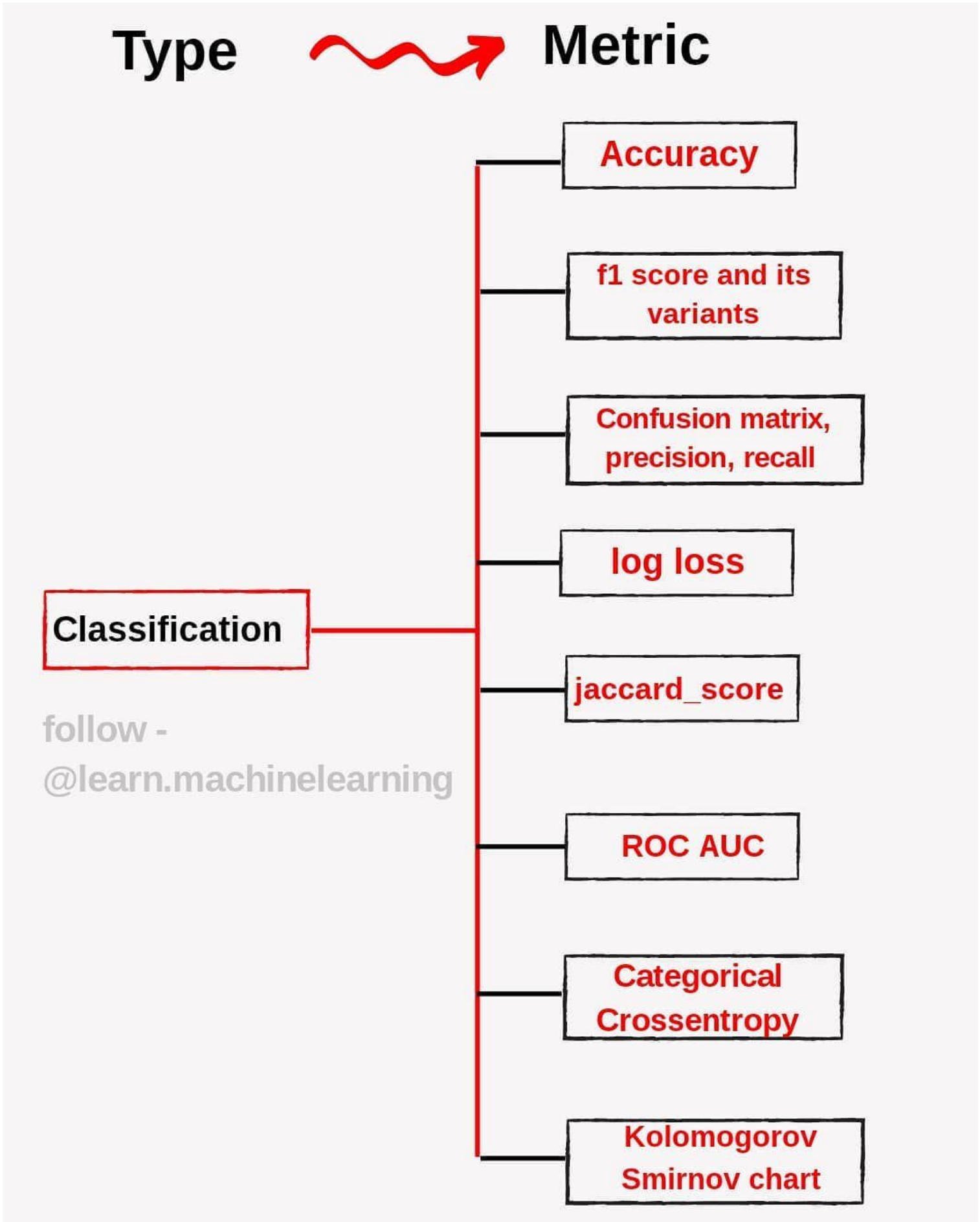
Type
Metric
Classification
Accuracy
f1 score and its variants
Confusion matrix, precision, recall
log loss
jaccard_score
ROC AUC
Categorical Crossentropy
Kolomogorov Smirnov chart
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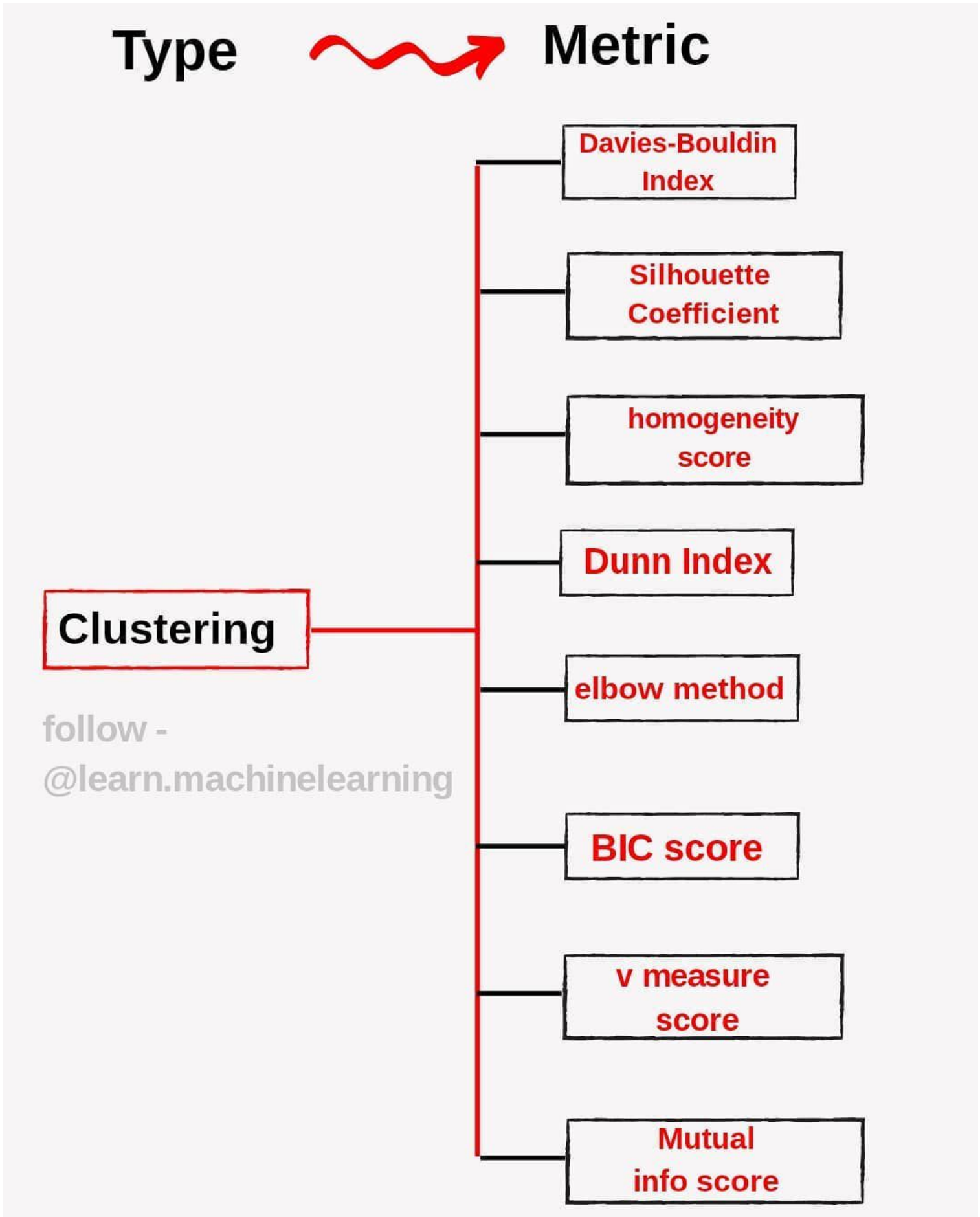
Type
Metric
Clustering
Davies-Bouldin Index
Silhouette Coefficient
homogeneity score
Dunn Index
elbow method
BIC score
v measure score
Mutual info score
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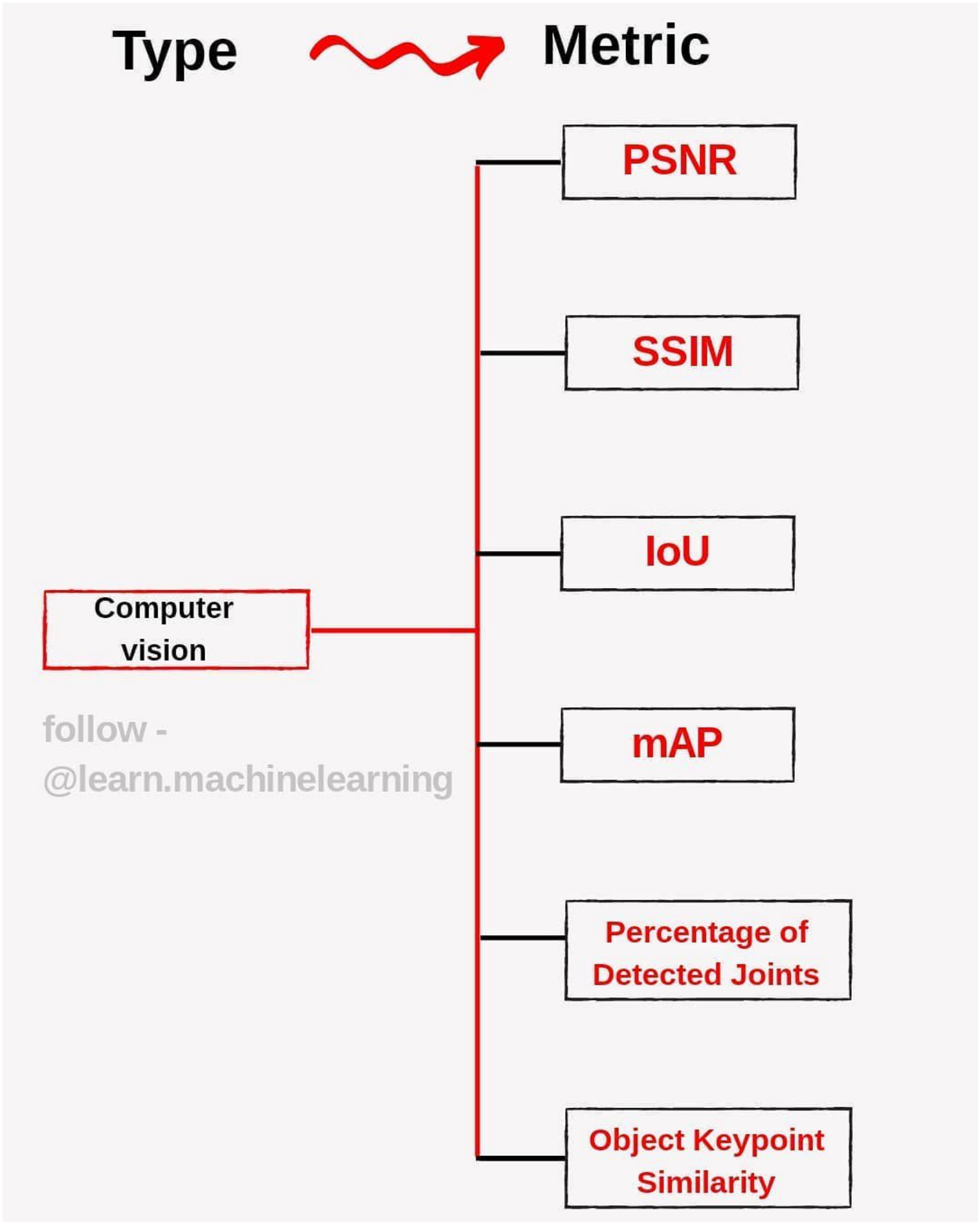
Type
Metric
PSNR
SSIM
IoU
Computer vision
mAP
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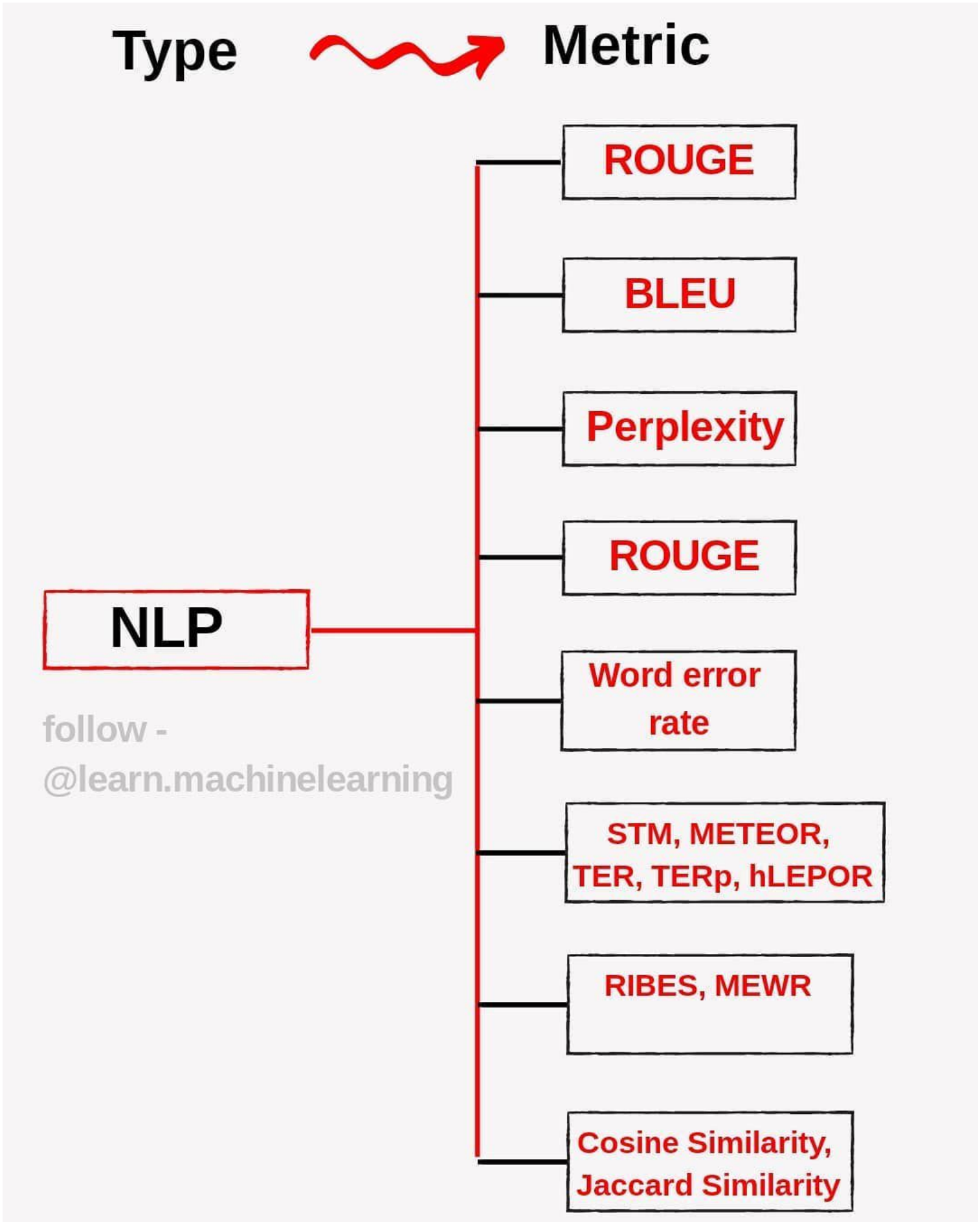
Percentage of Detected Joints
Object Keypoint Similarity


Type
Metric
NLP
ROUGE
BLEU
Perplexity
ROUGE
Word error rate
STM, METEOR, TER, TERp, hLEPOR
RIBES, MEWR
Cosine Similarity, Jaccard Similarity
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