

IBM Watson

Hackathon

OUR TEAM



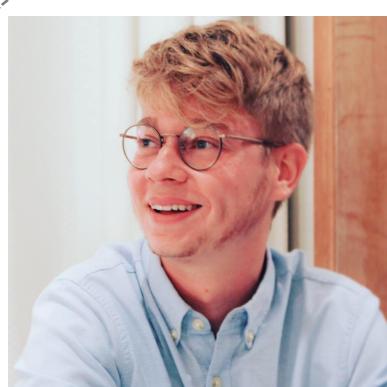
Tom



Cyril



Thibault



Antoine

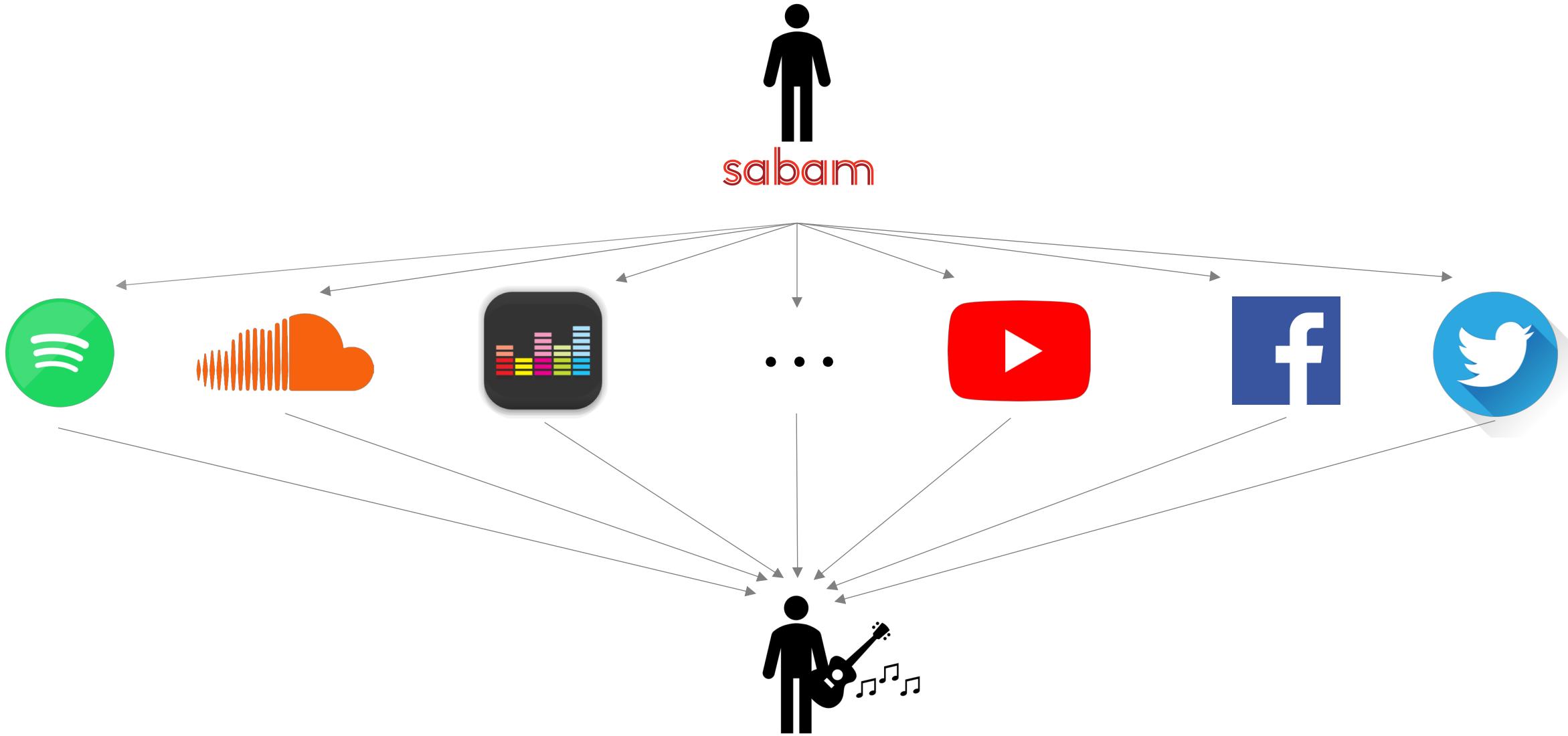


LIÈGE
université

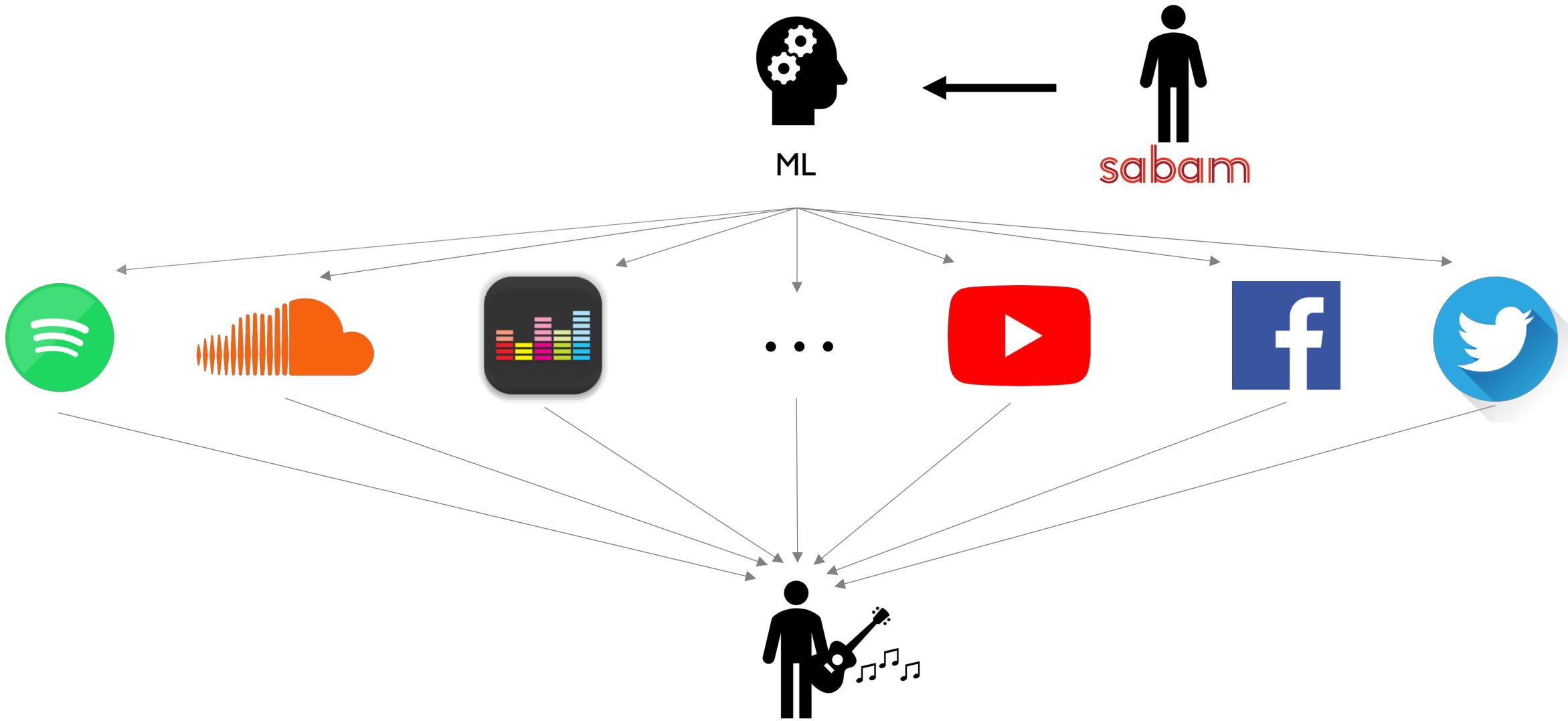
FACULTÉ DES SCIENCES APPLIQUÉES

Ecole d'ingénieurs et d'informaticiens

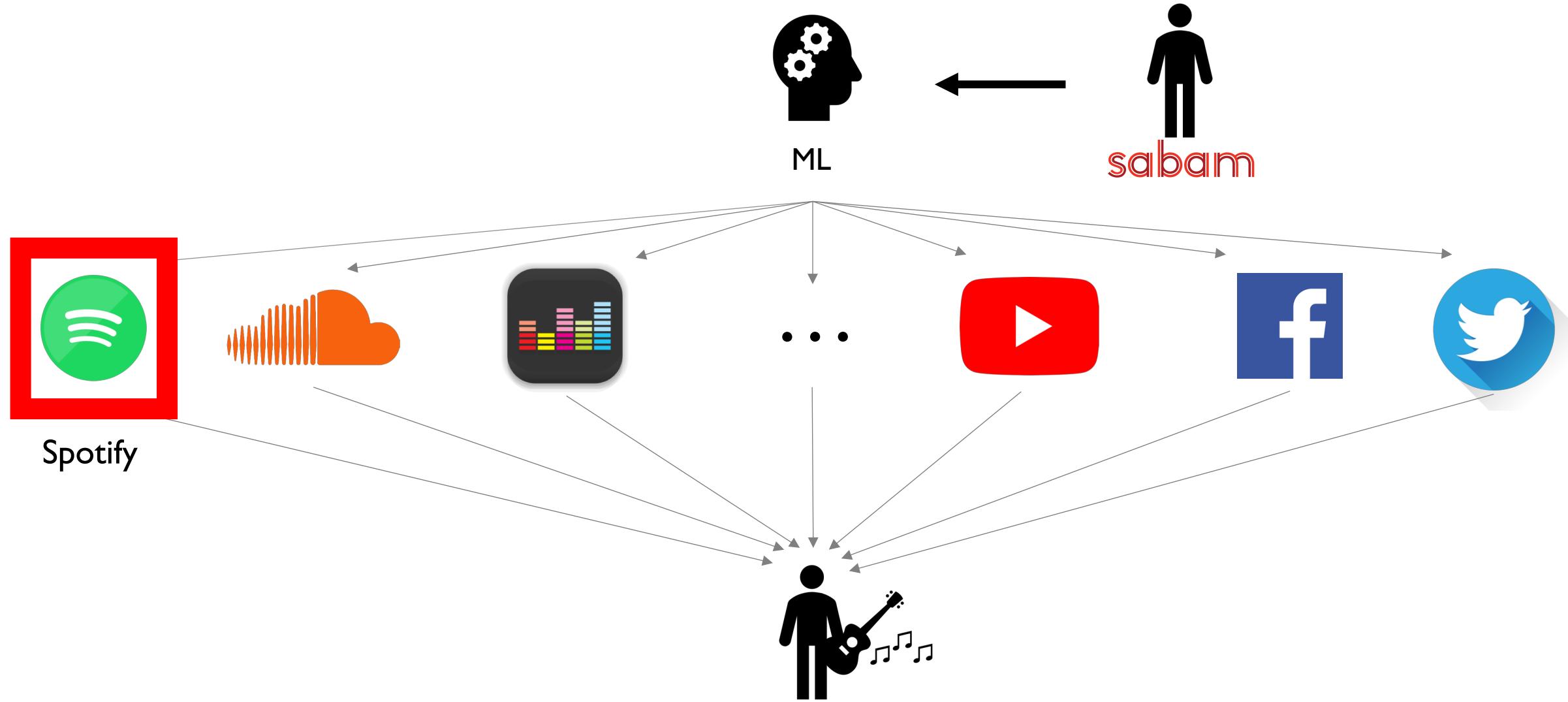
THE PROBLEM



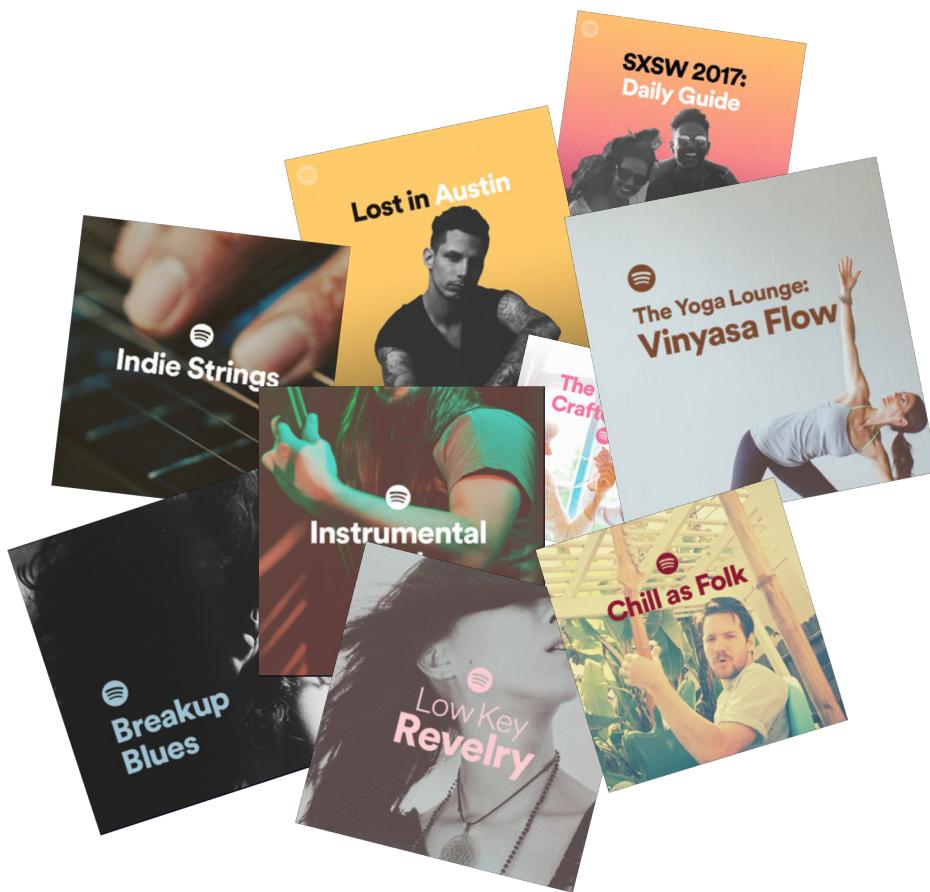
OUR SOLUTION



OUR SOLUTION



FIRST STEP – COLLECTING DATA



♪ Goddess
EXPLICIT Banks • Goddess (Deluxe)

♪ Slacks
St. South • Slacks

♪ Small Things
Ben Howard • I Forget Where We Were

♪ Premonitions
Vaults • Premonitions

♪ I Follow Rivers
Marika Hackman • Deaf Heat EP

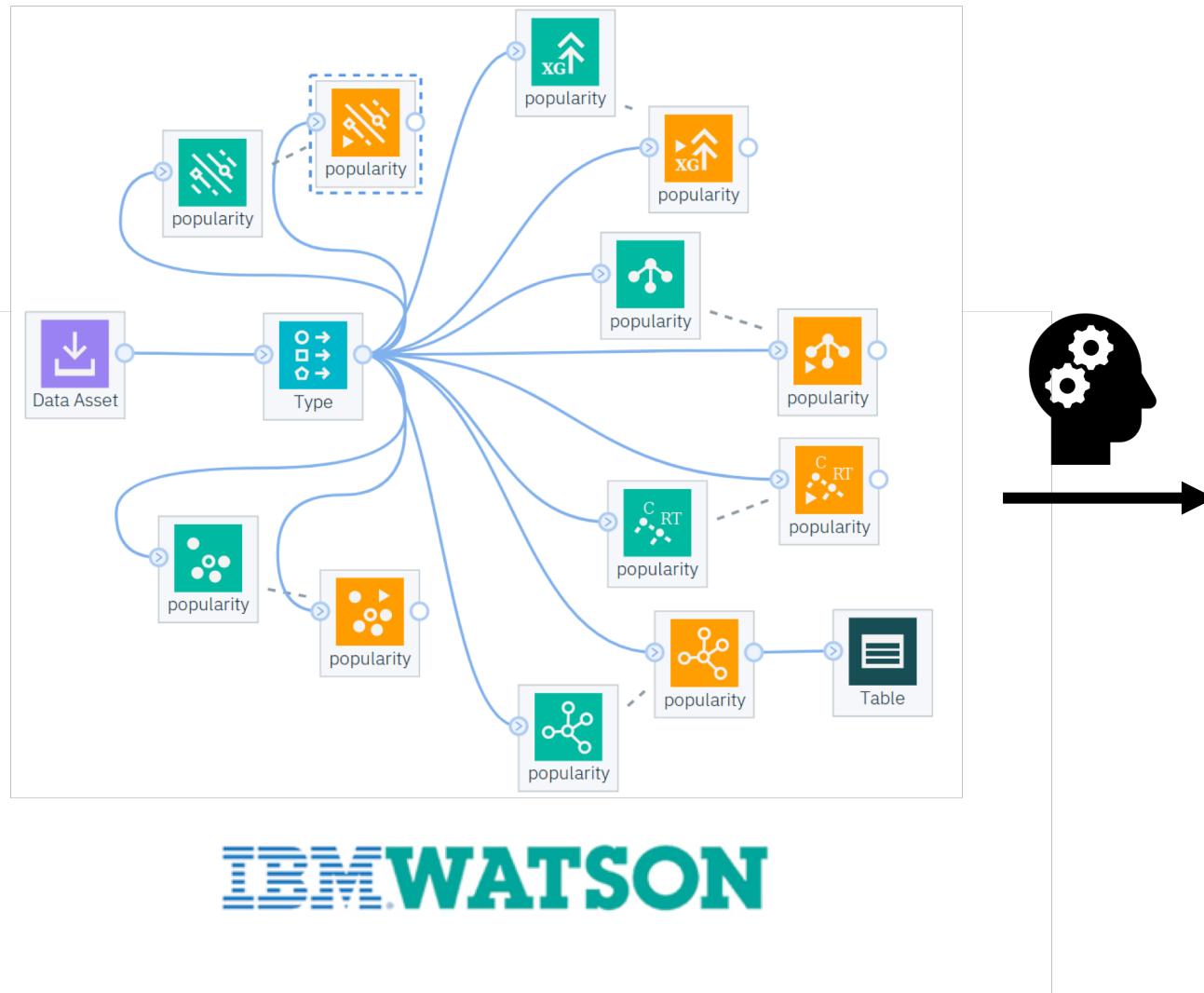
♪ Hunger Of The Pine
alt-J • This Is All Yours

♪ One Time
Marian Hill • Sway



```
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"popularity": 63,
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"loudness" : -11.840,
"speechiness" : 0.0461,
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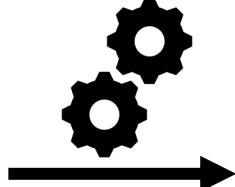
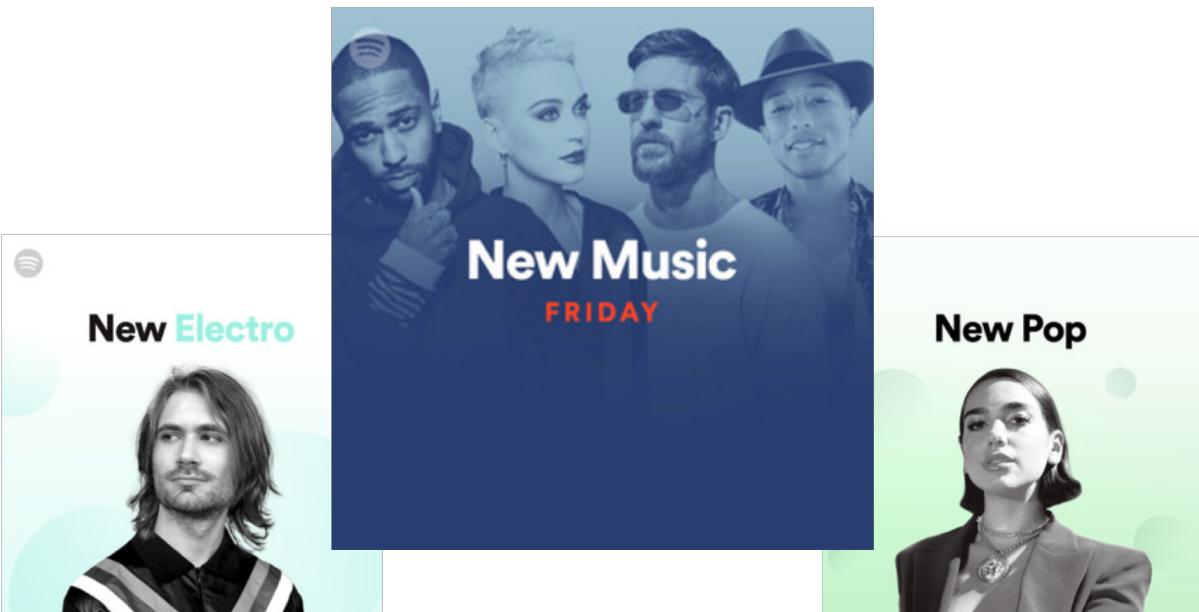
SECOND STEP – TRAINING DATA



Model used	Mean error *
Random Forest	5,382
XGBoost	9,304
K-Nearest Neighbors	11,968
Regression Tree	13,191
Support Vector Machine	13,762
Neural Network	14,1415

* Mean absolute error on the popularity (0 to 100) of the testing set.

THIRD STEP – PREDICTING BUZZ



Name	Hit	Potential
Damso	CQFD	76 %
Nicki Minaj	FEFE	71 %
Angele	Jalousie	68 %
...

↓ music story

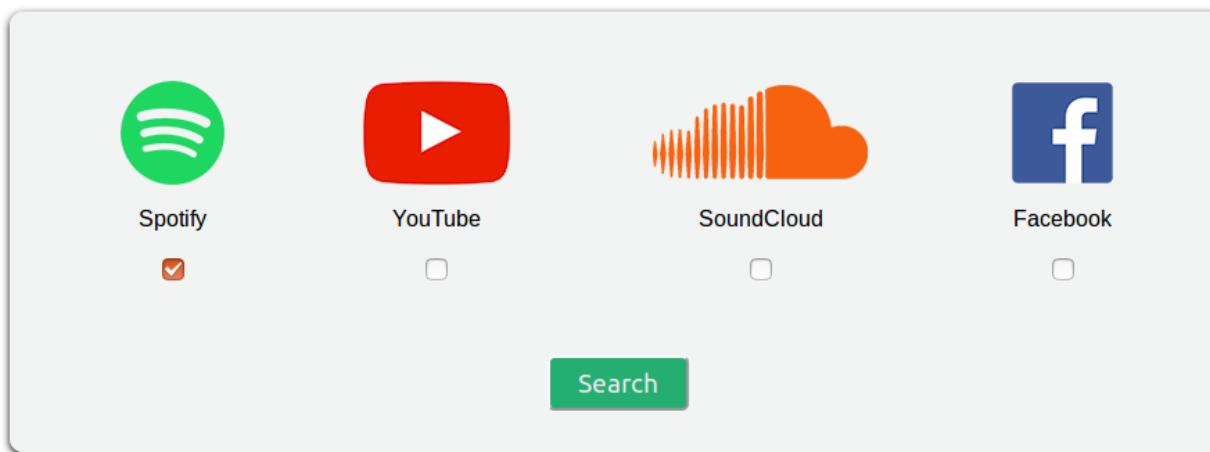
Name	Hit	Potential
Damso	CQFD	76 %
Angele	Jalousie	68 %
...

FINAL APPLICATION

Chrome Fichier Modifier Afficher Historique Favoris Personnes Fenêtre Aide

100 %

TALENT FINDER



Artist Name

Title

Potential