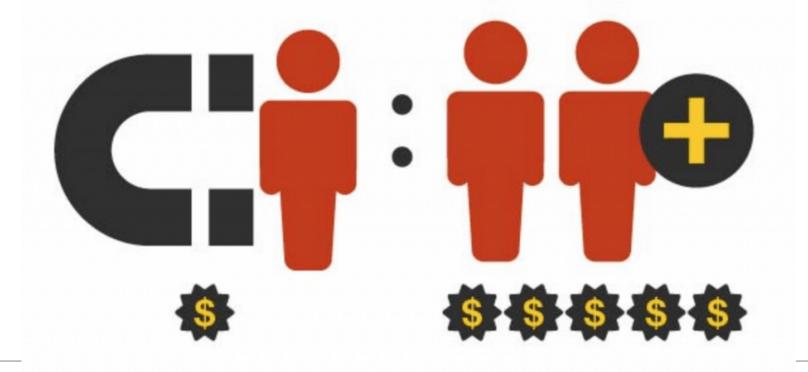


Problem

It costs five times as much to attract a new customer, than to keep an existing one



Method









Cost

• Bank A có 4,000,000 khách hàng và muốn thực hiện một chiến dịch giữ chân khách hàng



- Tổng chi phí SMS là: 800 4M = 3,2 tỷ/chiến dịch
- Cần tìm ra đúng phân khúc khách hàng có nguy cơ rời bỏ dịch vụ cao để tiếp cận.

Pipeline

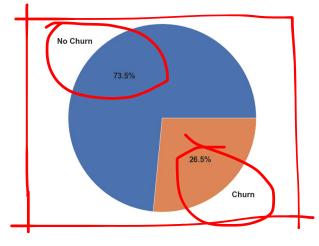
Bài toán dự đoán trước 6month xem KH có rời bỏ dịch vụ hay không?



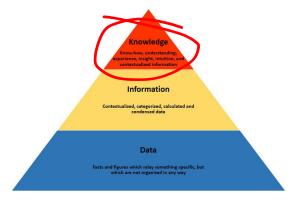
Difficult points

Bài toán dự đoán trước 6month xem KH có rời bỏ dịch vụ hay không?

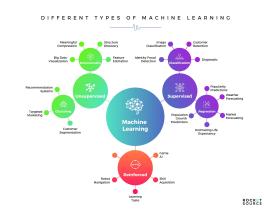


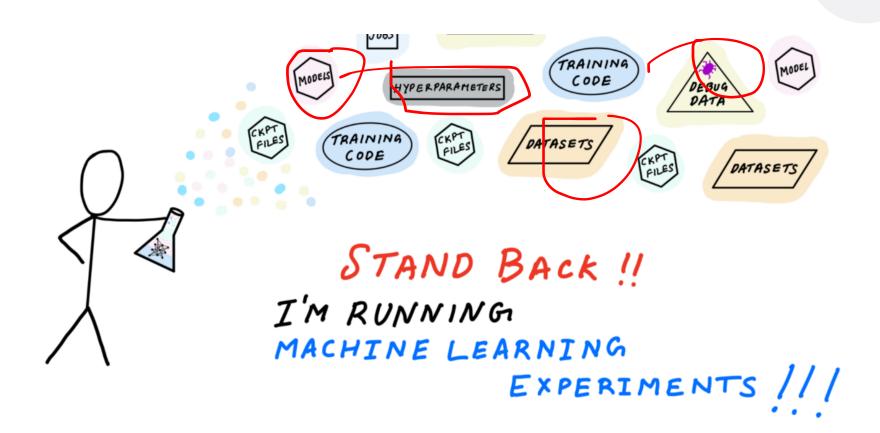


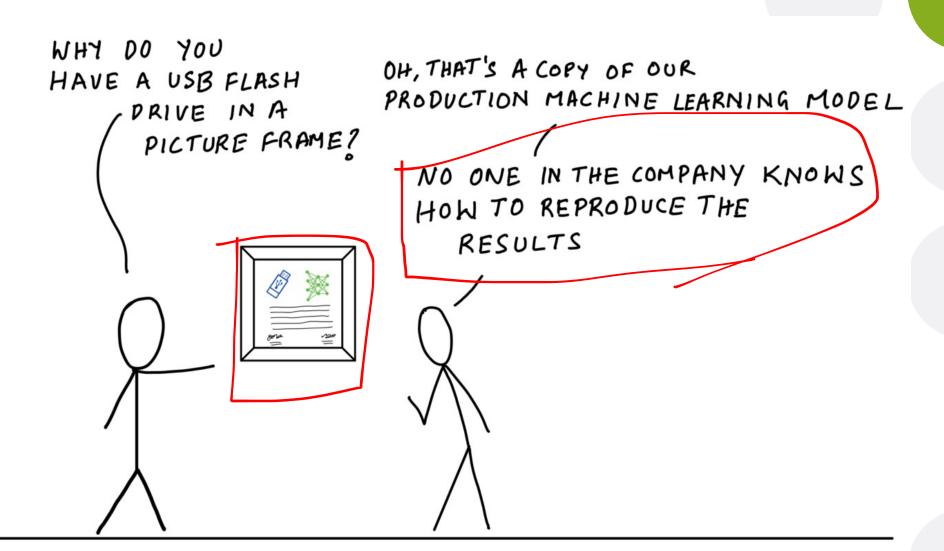


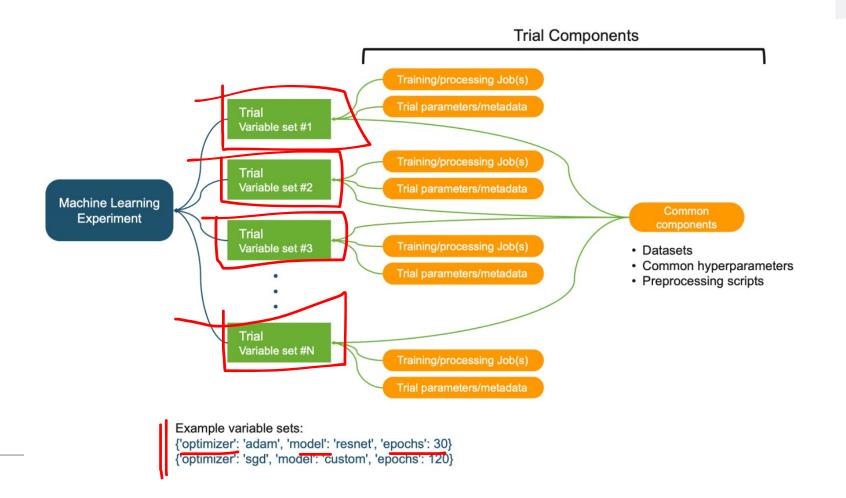












TrialComponentName	:est_acc - Last	model	batch-size	epochs	learning-rate	optimizer
cifar10-training-adam-custom-120-1594536575-aw	0.850260	"ustom"	128.0	120	_0.001	"adam"
cifar10-training-adam-resnet-120-1594536562-aw	0.843450	"esnet"	128.0	120	0.001	"adam"
cifar 10-training-adam-custom-60-1594536571-aws	0.841747	"custom"	128.0	60	0.001	"adam"
cifar10-training-rmsprop-custom-120-1594536631	0.838542	"custom"	128.0	120	0.001	"rmsprop"
cifar10-training-sgd-resnet-120-1594536589-aws	0.827524	"resnet"	128.0	120	0.001	"sgd"
cifar10-training-rmsprop-custom-60-1594536627	0.825421	"custom"	128.0	60	0.001	"rmsprop"
cifar 10-training-sgd-resnet-60-1594536585-aws	0.824519	"resnet"	128.0	60	0.001	"sgd"
cifar10-training-rmsprop-custom-30-1594536622	0.819912	"custom"	128.0	30	0.001	"rmsprop"
cifar10-training-adam-resnet-60-1594536557-aws	0.817608	"resnet"	128.0	60	0.001	"adam"
cifar10-training-adam-custom-30-1594536566-aws	0.814704	"custom"	128.0	30	0.001	"adam"
cifar 10-training-sgd-resnet-30-1594536580-aws	0.799179	"resnet"	128.0	30	0.001	"sgd"
cifar10-training-adam-resnet-30-1594536553-aws	0.774840	"resnet"	128.0	30	0.001	"adam"
cifar10-training-rmsprop-resnet-30-1594536608	0.774339	"resnet"	128.0	30	0.001	"rmsprop"
cifar10-training-sgd-custom-120-1594536604-aws	0.774339	"custom"	128.0	120	0.001	"sgd"
cifar 10-training-sgd-custom-60-1594536598-aws	0.735677	"custom"	128.0	60	0.001	"sgd"
cifar10-training-rmsprop-resnet-60-1594536613	0.713542	"resnet"	128.0	60	0.001	"rmsprop"
cifar10-training-sgd-custom-30-1594536594-aws	0.664163	"custom"	128.0	30	0.001	"sgd"
cifar 10-training-rmsprop-resnet-120-1594536617	0.449119	"resnet"	128.0	120	0.001	"rmsprop"

Handson

- Dự đoán rời bỏ dịch vụ dựa vào dữ liệu của Telco
- Submit kết quả để kiểm tra model.