JORGE MARQUES

PHOTO TAGGER

Product for Geographicaly Inept Travelers (me)

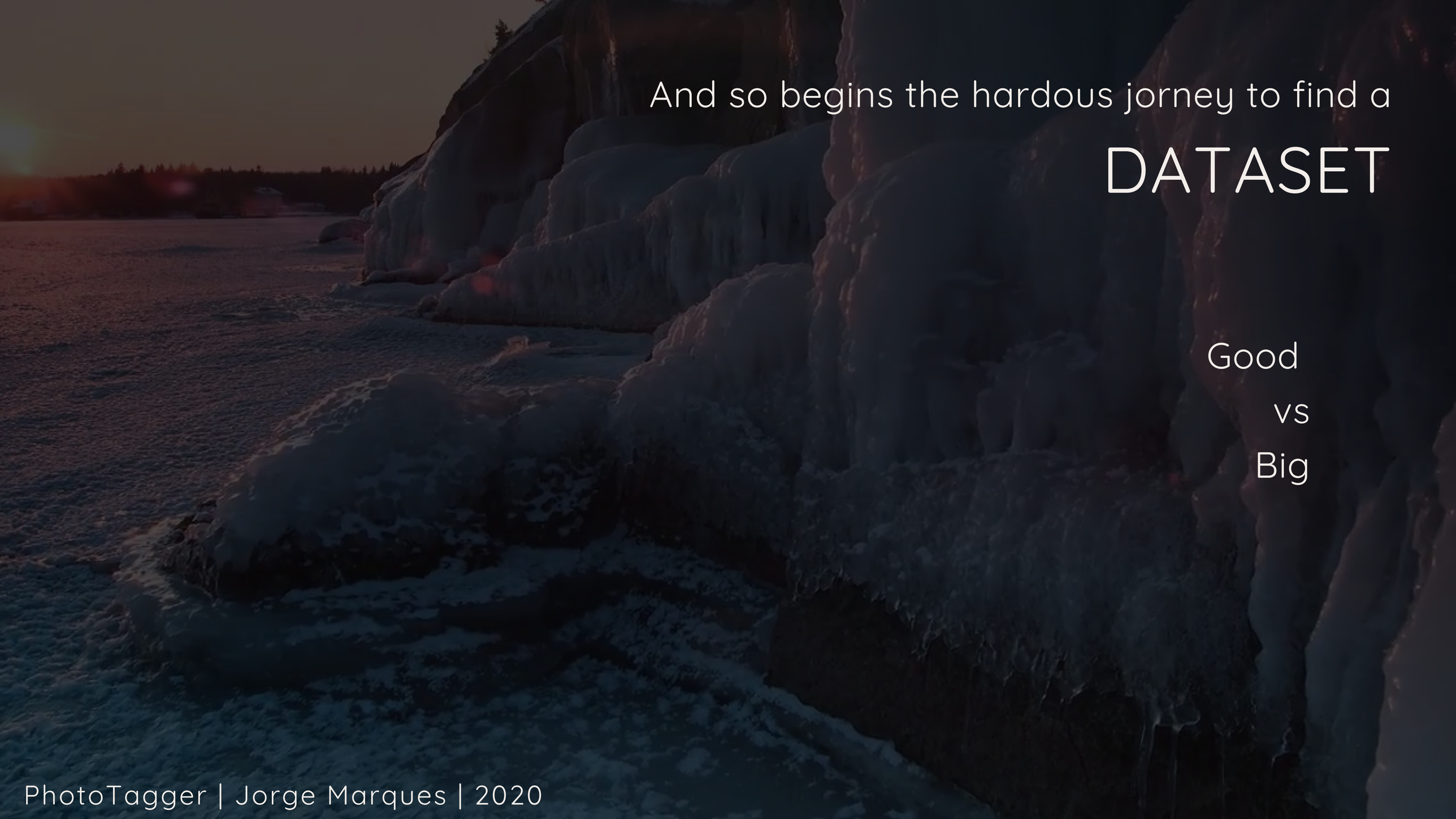
WHAT IS "PHOTO TAGGER"?

LOCATION PREDICTION FROM PHOTOS

IDEA

APPLY ML

PhotoTagger | Jorge Marques | 2020



And so begins the hardous jorney to find a

DATASET

Good

vs

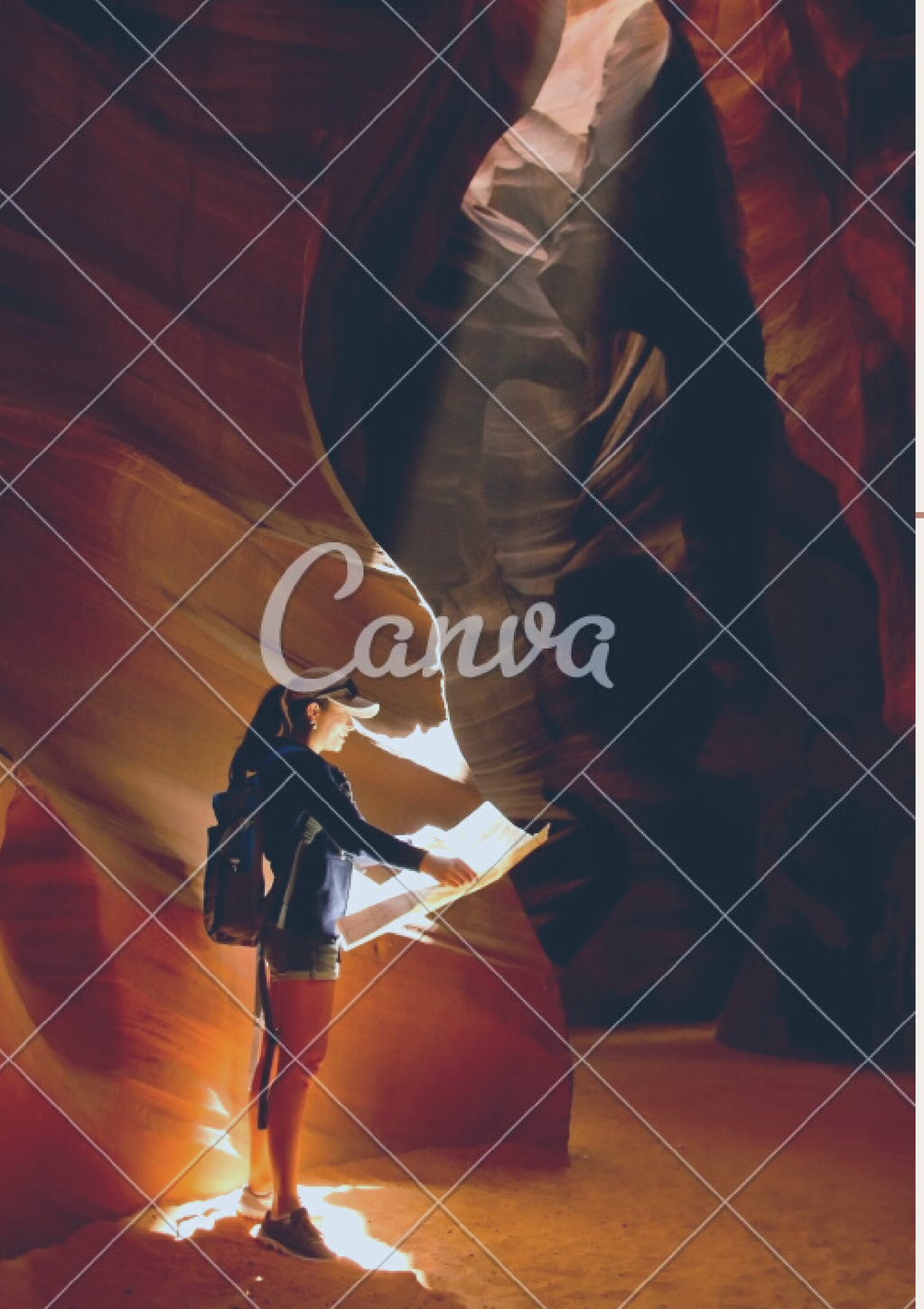
Big

And that kids is how i met my

DATASET

flickr

Big - 750k sample photos
but not very good



TOO BIG TO HANDLE

FIND A MODEL TO HELP

Unsupervised feature
extraction and reduction

GitHub

PROBLEMS

TENSORFLOW /KERAS INSTALL

why so hard?

CRASH AFTER RUNNING FOR 10 HOURS

why?

NOT ENOUGH MEMORY CRASHES

cmon 1 gb .csv file is not that big is it?

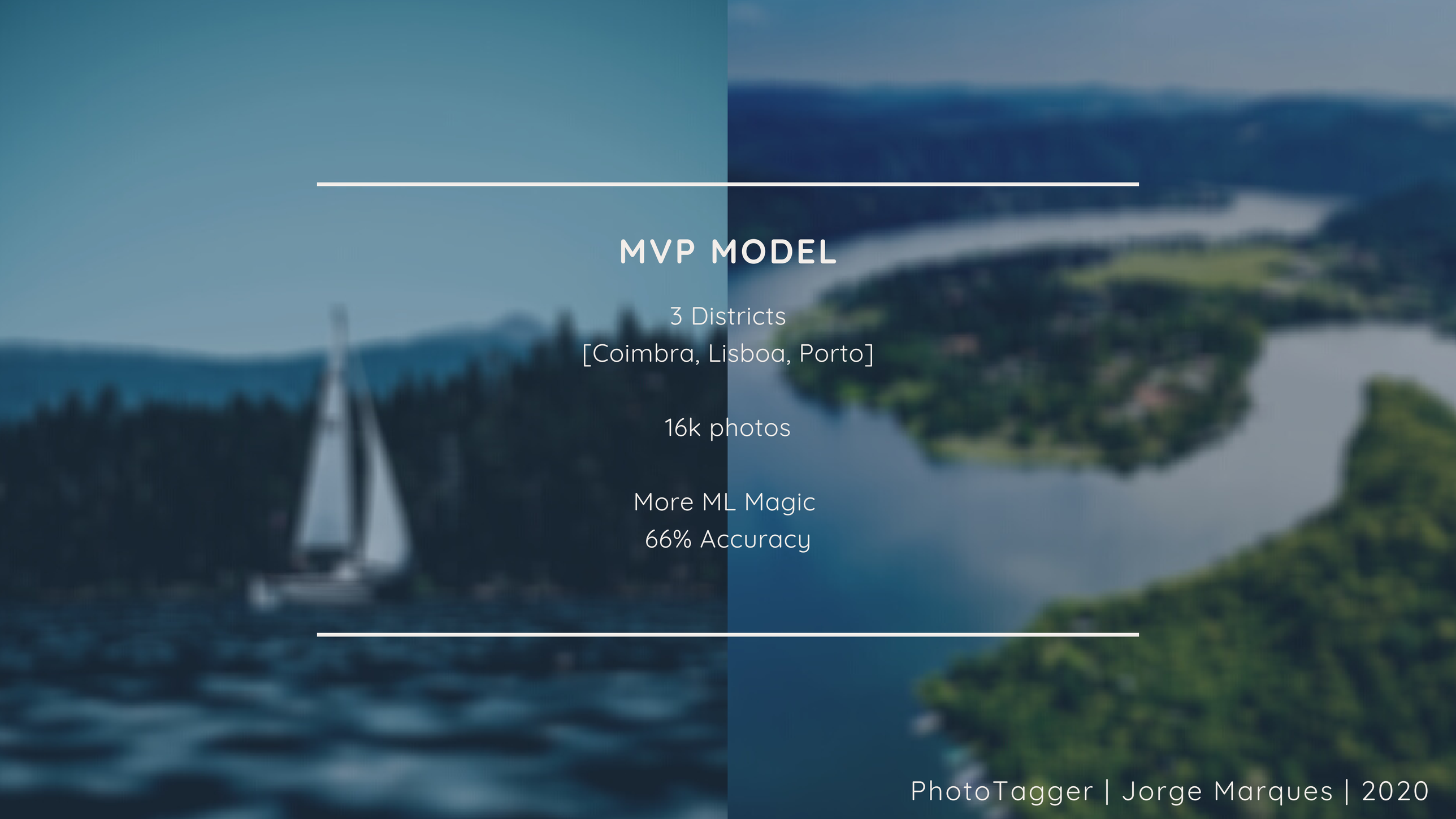
CLUSTERING IS HARD

hyperparameter sweetspot
why you run away?

MODEL TRAINED

60k photos

13% Accuracy - wait what?

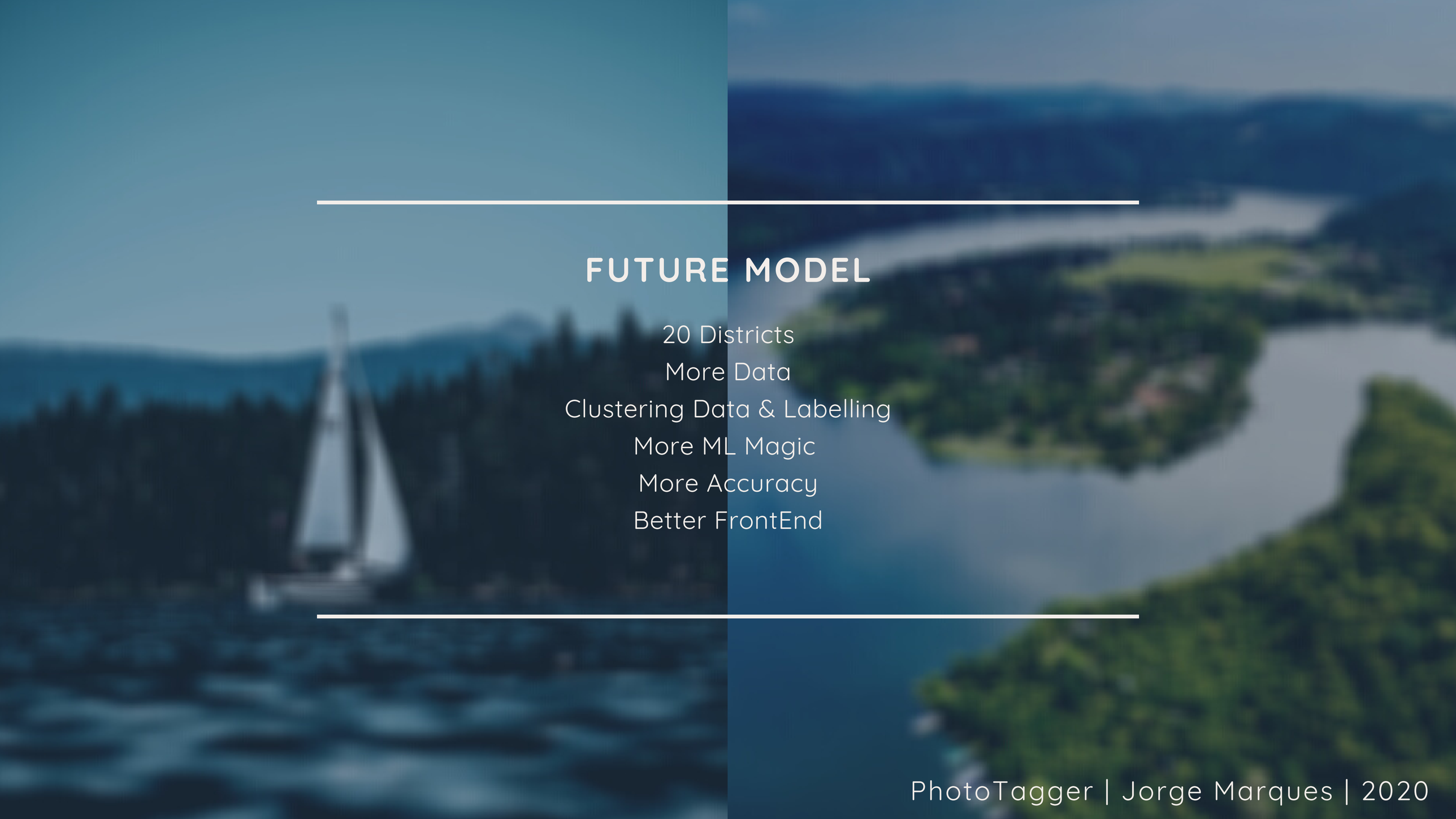


MVP MODEL

3 Districts
[Coimbra, Lisboa, Porto]

16k photos

More ML Magic
66% Accuracy



FUTURE MODEL

20 Districts

More Data

Clustering Data & Labelling

More ML Magic

More Accuracy

Better FrontEnd

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PHOTO TAGGER Demo

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