

THE Dataset

- Collected by an individual walking around with an iPhone 6S
- 1420 rows with signal readings for each beacon from -55 to -200
- Each row has the corresponding location of the individual on a grid





MODELS USED



K-Nearest Neighbor



Decision tree

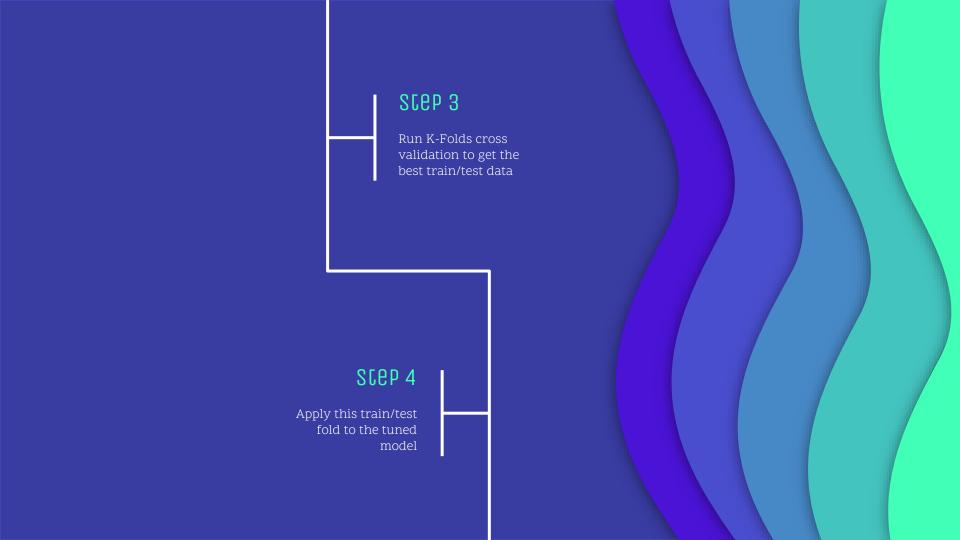
SCEP 1

Run the classifier with the default parameters

MODELLING SCEPS

SCEP 2

Optimize the parameters by using nested loops to have all possible combinations, and obtain the best result



Resulcs → K-Nearest Neighbour

	PRECISION	RECALL	F1-SCORE
ACCURACY			0.75
MACRO AVG	0.56	0.51	0.51
WEIGHTED AVG	0.84	0.75	0.75

Resulcs → Decision tree

	PRECISION	RECALL	F1-SCORE
ACCURACY			0.62
MACRO AVG	0.48	0.40	0.41
WEIGHTED AVG	0.77	0.62	0.64

