



⇒ 370,000 cats

A female cat and its offsprings can produce over 7 years

→ 67,000 dogs

A female dog and its offsprings can produce over 6 years





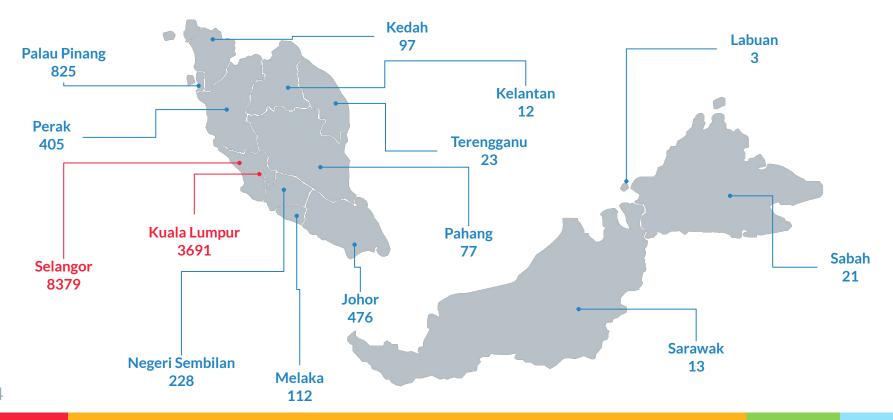




How can we help shelters, rescuers and owners rehome their pets faster?



14,372 pet listings across Malaysia





Pet information



Google Cloud Natural Language API

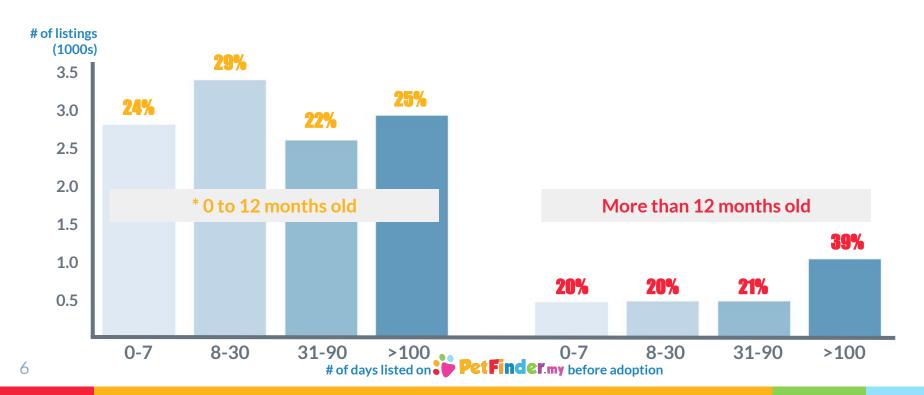


This pet has been listed for over 90 days and may already have been adopted. Kindly **notify us** if it is no longer available, to help us maintain an accurate database of pets.

very suitable to be a guard. easy handle. :) cute and fierce to strangers

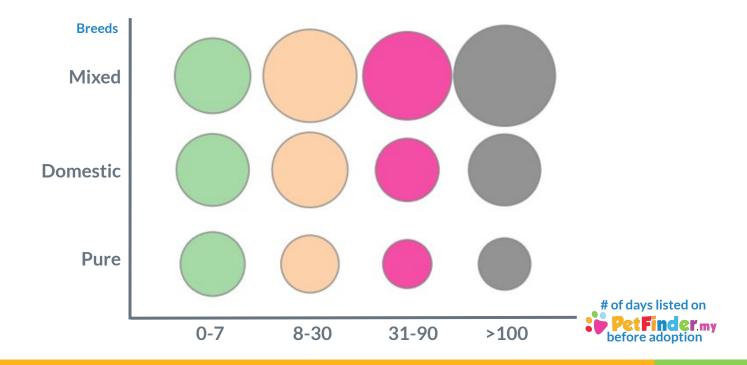


Do younger* pets get adopted faster?





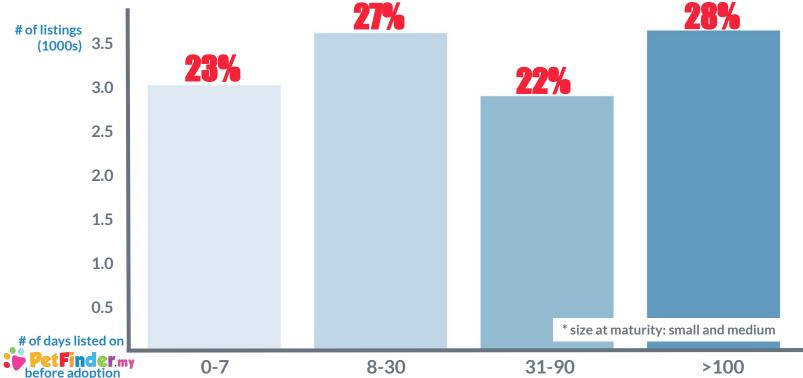
Do pure and mixed breeds get adopted faster?





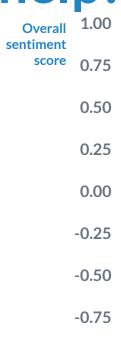
Do smaller* breeds get adopted

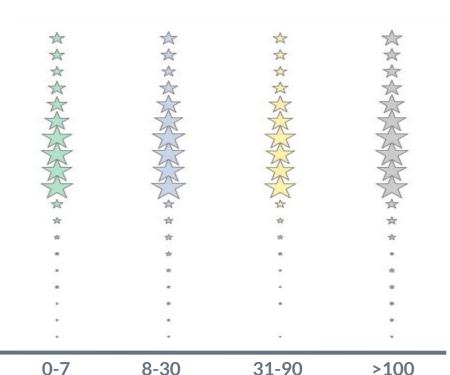






Does a well-written description help?





of days listed on
Pet Finder.my
before adoption



Classifier Model



Accuracy score: 0.41

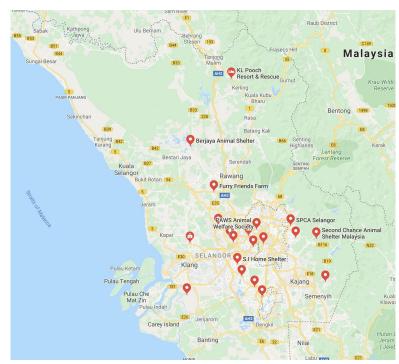
Cohen-Kappa score: 0.36

Actual.	Pred 0-7	iction 8-30	31-90	>100
0-7	41	30	6	23
8-30	25	35	15	25
31-90	15	33	19	33
>100	11	16	8	65

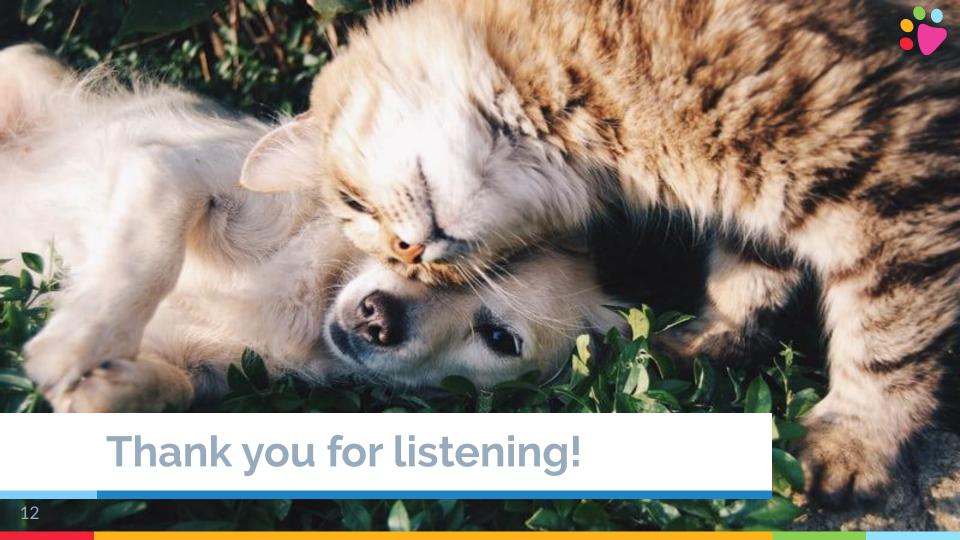


So what does the model say?

- There is very low chance that pets located in Kuala Lumpur will be rehomed within 3 months.
- Surrounding state, Selangor, has a higher success rate of pets getting adopted faster.



Courtesy of Google Maps





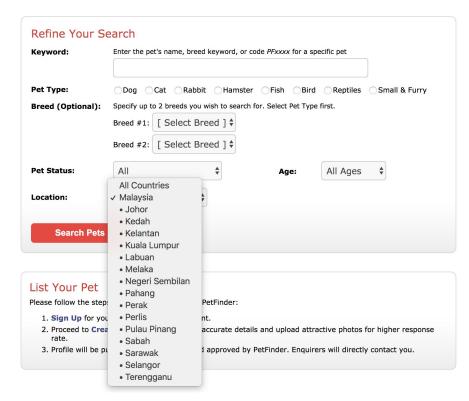
Appendix



Revamp the search window

Aggregate KUALA LUMPUR and SELANGOR; or

Convert LOCATION into tick boxes.





Use image classification to verify breed

Build a model that verifies the breed based on the photo/s uploaded. It will compare the result with the breed/s selected then prompt the user.

Photo #1:	Choose file	No file chosen	
Caption #1:			
Photo #2:	Choose file	No file chosen	
Caption #2:			
Photo #3:	Choose file	No file chosen	
Caption #3:			
Photo #4:	Choose file	No file chosen	
Caption #4:			
Photo #5:	Choose file	No file chosen	
Caption #5:			
Have <u>videos</u> o	of your pet in	a action? You can upload them after creating this profile.	



Enhance the listing form

- Ask if the age is unknown
- Require reason for relinquishment
- Split color section into 2: dominant and other colors
- Size at maturity should be be based on breed

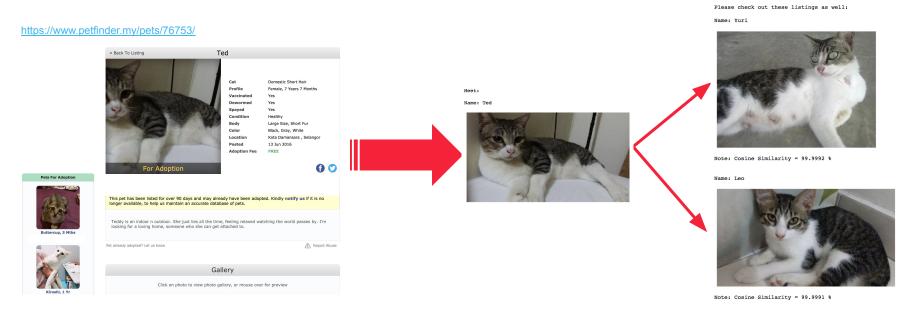
Do you know the age of the pet? *	
O Yes	
O No	
Age in Months *	
Please provide an estimate if unknown	
Your answer	

Reason for listing *
O Lack of resources
Moving houses
O Due to allergies
Other:

Dominant Colour *
O White
O Black
O Brown
Other:
Other Colors
White
Black
Brown
Other:



Recommender system based on images and other features*





Credits

- Presentation template by <u>SlidesCarnival</u>
- Photographs by <u>Unsplash</u>