

## Pawpularity Prediction (Group 2)

- Summary of the report.

The report investigates the pawpularity of pets in an attempt to alleviate the burden on animal welfare groups. A dataset containing 9912 images in JPEG file and RGB format. Several statistical models are discussed. Raw datasets are preprocessed with exploratory analysis, model building with diagnosis followed by selection. EfficientNet is the best model with 18.04 RMSE on Kaggle.

- Strengths of the report.

Strong supportive data visualization for the data analysis / processing section

Couple of models used (Logistic Regression, CNN)

Analytic skills are shown in model comparison taking the variable importance as support

- Describe the weaknesses of the report.

The report is all-rounded as it has straight and clear approach, visualizing result in graphs.

- Evaluation on quality of writing (1-5): 5

The report is written in a neat way with section number and subtopic, objectives and methodology are stated clearly. Lots of figures for visualization and demonstration.

- Evaluation on presentation (1-5): 5

The presentation is clear and organized.

Through the whole presentation, nearly all pages involved a graph to aid learner getting more understanding of complex or new concept and model. The key points are all highlighted in reasonable way, demonstrating ideas efficiently.

- Evaluation on creativity (1-5): 5

The improving the loss function is very creative in the sense that the ideas are fresh, all are proposed in 2019 compare to CNN or regression. LDAM and EfficientNet are definitely new idea to me.

- Confidence on your assessment

3, I have carefully read the paper and checked the results