

CAT OR DOG: PREDICTIVE MODELLING

STAT GU4243 - APPLIED DATA SCIENCE

Group 6

Columbia University

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1 OUTLINE

2 INTRODUCTION

- Us
- Motivation
- Scope

3 METHOD

- Exploratory Analysis
- Feature Extraction
- Model selection

4 RESULTS

5 DISCUSSION

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WHY DO THIS?—MOTIVATION

SPEC & SCOPE

EXPLORATORY ANALYSIS

FEATURE EXTRACTION

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- 2 HOG = histogram of oriented gradients.

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- ❺ RGB = red, green, blue.

HI

COMPUTATION TIME

ACCURACY

PREDICTION TIME

COMPARISON VISUALIZATION

FURTHER DIRECTIONS TO EXPLORE

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Thank you!