This file is for notes on what to describe in our quick 2 minute presentation about our dataset. Feel free to modify it!

**Introduction:**

* Classifying images of Colombian species of mammals
* Diurnal and nocturnal mammals
* Wild and domesticated
* Can be applied to determine how much domesticated species intrude in wildlife

**Dataset Overview**:

* Contains over 100k images from 50 cameras deployed in 2 natural reserves in central Colomia.
* The cameras were deployed from January to July 2020. Cameras were spaced 1 km apart from one another, located facing wildlife trails, and deployed with no bait.
* 51 animal species with 20% of images being empty

**Filtering/Selection for Classification:**

* Focused on 7 species from cameras with the most images
  + Armadillos, peccaries (wild pigs), coatis (marsupials), agoutis and pacas ( (rodents), horses, cows
* Contains colored and monochrome images
  + Considering using single channel of the RGB image plus the monochrome images

**Features:**

* Edges:
  + Natural features from unique species’ patterns (spots, high frequencies).
  + Image differencing with masking from fixed camera backgrounds
    - Helps with classifying under animal movement