1. OpenPose results
2. Classifer results
3. Confusion matrix
4. Misclassification rate
5. Spectral clustering results

Openpose: This was all performed on a system with a Nvidia 1080 Ti and CUDA 8.

# Human classification results:

1.We processed 418,726 image from 136 sites in total. The distribution of images across time and site are:**(a plot to demonstrate the distribution of images we have).**

2.We detected human skeleton data from x images**(how many images that contain human skeleton data).**

**(Distribution of different number of skeletons)**

**(How many complete skeleton there)**

To compare the performance of Openpose as human detector with the classifer trained uisng CNN. We first find the optimal threshold for human classification.**(compare the statistics of different p and nr).**

Then we calculate the confusion matrix for both classifers on the test data(**Confusion matrix and statistics comparison between 2 classifier**)

# Clustering results:

Clustering results and comparison using internal clustering

index.

3.`Distribution of different poses acoss time and place.

# Influence of Different habitat type on classification results() and x

**Time |habitat type**

**Between different behaviour:**

**Skeletons: same threshold with the confusion matrix**

**What need to modified:**

1. **skeletoncount.csv : add accepting threshold**
2. **full skeletons count.csv : dispite threshold**

# Discussion:

Result analysis.

Related work.

Conlusion on hypothesis.

Future work.

Overlap temporal distribtuion across

Misclassification: at which time they have different classification results?

Temporal distribution of different poses.

densityfit