Setup:

Windows Machine – Windows 8.1, 8GB, Intel Core-i5

**AWS Label Detection:**

Match Improvement with using Class Synonyms:

|  |  |  |  |
| --- | --- | --- | --- |
| Class | Match | Class:Synonyms | Match |
| Unicycle | 0 | Unicycle:Wheel:Vehicle | 25 |
| Jet | 1 | Jet:Aircraft | 16 |
| Birds | 0 | Birds:Bird | 24 |

AWS Confidence Score

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ImageCount | Match | TotalConfScore | MatchAverage |
| raw\_output | 250 | 128 | 123.5 | 0.494 |
| synonyms\_output | 250 | 204 | 196.5 | 0.786 |

Summary of Results: Match on labelled images improved on using synonyms.

**AWS Face Detection**

AWS Confidence Score

ImageCount 450

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ImageCount | Match | TotalConfScore | Accuracy |
| Human Faces | 450 | 450 | 450 | 100% |
| No Human Faces i.e Animal Faces | 100 | 20 | 17.91 | 82% |

Summary of Results: Very good for human face detection. But some flaws with negative tests. When animal faces are used, some 20 results claimed it be face detected.