Infer One Image

Owner: classification

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whale_detectnet_2 Generic Image Model

Source image

Inference visualization

bbox-list [[0. 0. 0. 0. 0.] [0. 0. 0. 0. 0.] [0. 0. 0. 0. 0.] [

"transformed_data"

Activation

Data shape: [3 224 336]
Mean: -108.135
Std deviation: 22.1278

"conv1/7x7_s2"

Weights *(Convolution layer)*

9,472 learned parameters

Data shape: [64 3 7 7]
Mean: 8.69382e-05
Std deviation: 0.196196

"conv1/7x7_s2"

Activation

Data shape: [64 112 168]
Mean: 27.9283
Std deviation: 71.3565

"pool1/3x3_s2"

Activation

Data shape: [64 56 84]
Mean: 47.7789
Std deviation: 98.5684

"pool1/norm1"

Activation

Data shape: [64 56 84]
Mean: 24.8532
Std deviation: 32.7805

"conv2/3x3_reduce"

Weights *(Convolution layer)*

4,160 learned parameters

Data shape: [64 64 1 1]
Mean: -0.00375916
Std deviation: 0.189106

"conv2/3x3_reduce"

Activation

Data shape: [64 56 84]
Mean: 21.7276
Std deviation: 30.8689

"conv2/3x3"

Weights *(Convolution layer)*

110,784 learned parameters

Data shape: [192 64 3 3]
Mean: -0.00434174
Std deviation: 0.0563473

"conv2/3x3"

Activation

Data shape: [192 56 84]
Mean: 6.10696
Std deviation: 25.7424

"conv2/norm2"

Activation

Data shape: [192 56 84]
Mean: 4.69894
Std deviation: 17.0225

"pool2/3x3_s2"

Activation

Data shape: [192 28 42]
Mean: 12.1405
Std deviation: 24.4606

"inception_3a/1x1"

Weights *(Convolution layer)*

12,352 learned parameters

Data shape: [64 192 1 1]
Mean: 0.000706589
Std deviation: 0.0993116

"inception_3a/1x1"

Activation

Data shape: [64 28 42]
Mean: 17.2219
Std deviation: 30.6573

"inception_3a/3x3_reduce"

Weights *(Convolution layer)*

18,528 learned parameters

Data shape: [96 192 1 1]
Mean: -0.000273135
Std deviation: 0.0846407

"inception_3a/3x3_reduce"

Activation

Data shape: [96 28 42]
Mean: 15.1283
Std deviation: 23.5699

"inception_3a/3x3"

Weights *(Convolution layer)*

110,720 learned parameters

Data shape: [128 96 3 3]
Mean: -0.00159902
Std deviation: 0.0435126

"inception_3a/3x3"

Activation

Data shape: [128 28 42]
Mean: 10.2535
Std deviation: 26.4464

"inception_3a/5x5_reduce"

Weights *(Convolution layer)*

3,088 learned parameters

Data shape: [16 192 1 1]
Mean: 0.000548889
Std deviation: 0.0857875

"inception_3a/5x5_reduce"

Activation

Data shape: [16 28 42]
Mean: 19.9591
Std deviation: 25.937

"inception_3a/5x5"

Weights *(Convolution layer)*

12,832 learned parameters

Data shape: [32 16 5 5]
Mean: -0.00193578
Std deviation: 0.0559661

"inception_3a/5x5"

Activation

Data shape: [32 28 42]
Mean: 10.1475
Std deviation: 23.8531

"inception_3a/pool"

Activation

Data shape: [192 28 42]
Mean: 23.2076
Std deviation: 32.0508

"inception_3a/pool_proj"

Weights *(Convolution layer)*

6,176 learned parameters

Data shape: [32 192 1 1]
Mean: -0.00331032
Std deviation: 0.100607

"inception_3a/pool_proj"

Activation

Data shape: [32 28 42]
Mean: 21.5
Std deviation: 35.3227

"inception_3a/output"

Activation

Data shape: [256 28 42]
Mean: 13.3882
Std deviation: 28.7845

"inception_3b/1x1"

Weights *(Convolution layer)*

32,896 learned parameters

Data shape: [128 256 1 1]
Mean: -0.00880202
Std deviation: 0.0631257

"inception_3b/1x1"

Activation

Data shape: [128 28 42]
Mean: 3.92596
Std deviation: 14.0581

"inception_3b/3x3_reduce"

Weights *(Convolution layer)*

32,896 learned parameters

Data shape: [128 256 1 1]
Mean: -0.00383864
Std deviation: 0.0695196

"inception_3b/3x3_reduce"

Activation

Data shape: [128 28 42]
Mean: 13.4983
Std deviation: 22.9012

"inception_3b/3x3"

Weights *(Convolution layer)*

221,376 learned parameters

Data shape: [192 128 3 3]
Mean: -0.00398454
Std deviation: 0.0334195

"inception_3b/3x3"

Activation

Data shape: [192 28 42]
Mean: 0.98483
Std deviation: 7.61631

"inception_3b/5x5_reduce"

Weights *(Convolution layer)*

8,224 learned parameters

Data shape: [32 256 1 1]
Mean: -0.000793578
Std deviation: 0.075686

"inception_3b/5x5_reduce"

Activation

Data shape: [32 28 42]
Mean: 19.0922
Std deviation: 31.4196

"inception_3b/5x5"

Weights *(Convolution layer)*

76,896 learned parameters

Data shape: [96 32 5 5]
Mean: -0.00532784
Std deviation: 0.0353227

"inception_3b/5x5"

Activation

Data shape: [96 28 42]
Mean: 2.59442
Std deviation: 16.5726

"inception_3b/pool"

Activation

Data shape: [256 28 42]
Mean: 28.5842
Std deviation: 41.4999

"inception_3b/pool_proj"

Weights *(Convolution layer)*

16,448 learned parameters

Data shape: [64 256 1 1]
Mean: -0.00591411
Std deviation: 0.0647305

"inception_3b/pool_proj"

Activation

Data shape: [64 28 42]
Mean: 4.82712
Std deviation: 13.2796

"inception_3b/output"

Activation

Data shape: [480 28 42]
Mean: 2.60336
Std deviation: 12.534

"pool3/3x3_s2"

Activation

Data shape: [480 14 21]
Mean: 6.33042
Std deviation: 20.2464

"inception_4a/1x1"

Weights *(Convolution layer)*

92,352 learned parameters

Data shape: [192 480 1 1]
Mean: -0.00452245
Std deviation: 0.0509811

"inception_4a/1x1"

Activation

Data shape: [192 14 21]
Mean: 1.7941
Std deviation: 9.18513

"inception_4a/3x3_reduce"

Weights *(Convolution layer)*

46,176 learned parameters

Data shape: [96 480 1 1]
Mean: -0.000123684
Std deviation: 0.0576439

"inception_4a/3x3_reduce"

Activation

Data shape: [96 14 21]
Mean: 14.2978
Std deviation: 25.1141

"inception_4a/3x3"

Weights *(Convolution layer)*

179,920 learned parameters

Data shape: [208 96 3 3]
Mean: -0.00430561
Std deviation: 0.0372704

"inception_4a/3x3"

Activation

Data shape: [208 14 21]
Mean: 1.29885
Std deviation: 9.30714

"inception_4a/5x5_reduce"

Weights *(Convolution layer)*

7,696 learned parameters

Data shape: [16 480 1 1]
Mean: 0.00151868
Std deviation: 0.0488565

"inception_4a/5x5_reduce"

Activation

Data shape: [16 14 21]
Mean: 23.7284
Std deviation: 30.7123

"inception_4a/5x5"

Weights *(Convolution layer)*

19,248 learned parameters

Data shape: [48 16 5 5]
Mean: -0.00537196
Std deviation: 0.0429458

"inception_4a/5x5"

Activation

Data shape: [48 14 21]
Mean: 2.70736
Std deviation: 12.4525

"inception_4a/pool"

Activation

Data shape: [480 14 21]
Mean: 14.5619
Std deviation: 30.8635

"inception_4a/pool_proj"

Weights *(Convolution layer)*

30,784 learned parameters

Data shape: [64 480 1 1]
Mean: -0.00462004
Std deviation: 0.05166

"inception_4a/pool_proj"

Activation

Data shape: [64 14 21]
Mean: 4.70059
Std deviation: 13.3956

"inception_4a/output"

Activation

Data shape: [512 14 21]
Mean: 2.04183
Std deviation: 10.2414

"inception_4b/1x1"

Weights *(Convolution layer)*

82,080 learned parameters

Data shape: [160 512 1 1]
Mean: 0.00018203
Std deviation: 0.0443047

"inception_4b/1x1"

Activation

Data shape: [160 14 21]
Mean: 4.11939
Std deviation: 9.17526

"inception_4b/3x3_reduce"

Weights *(Convolution layer)*

57,456 learned parameters

Data shape: [112 512 1 1]
Mean: 0.00102071
Std deviation: 0.0446687

"inception_4b/3x3_reduce"

Activation

Data shape: [112 14 21]
Mean: 4.25665
Std deviation: 10.5274

"inception_4b/3x3"

Weights *(Convolution layer)*

226,016 learned parameters

Data shape: [224 112 3 3]
Mean: -0.00106766
Std deviation: 0.0255823

"inception_4b/3x3"

Activation

Data shape: [224 14 21]
Mean: 3.45792
Std deviation: 9.22859

"inception_4b/5x5_reduce"

Weights *(Convolution layer)*

12,312 learned parameters

Data shape: [24 512 1 1]
Mean: 0.00345205
Std deviation: 0.0521119

"inception_4b/5x5_reduce"

Activation

Data shape: [24 14 21]
Mean: 10.8552
Std deviation: 19.7824

"inception_4b/5x5"

Weights *(Convolution layer)*

38,464 learned parameters

Data shape: [64 24 5 5]
Mean: -0.00269116
Std deviation: 0.0356056

"inception_4b/5x5"

Activation

Data shape: [64 14 21]
Mean: 6.14833
Std deviation: 14.9479

"inception_4b/pool"

Activation

Data shape: [512 14 21]
Mean: 5.81272
Std deviation: 18.8556

"inception_4b/pool_proj"

Weights *(Convolution layer)*

32,832 learned parameters

Data shape: [64 512 1 1]
Mean: -0.00358793
Std deviation: 0.0461775

"inception_4b/pool_proj"

Activation

Data shape: [64 14 21]
Mean: 6.55514
Std deviation: 12.007

"inception_4b/output"

Activation

Data shape: [512 14 21]
Mean: 4.3881
Std deviation: 10.53

"inception_4c/1x1"

Weights *(Convolution layer)*

65,664 learned parameters

Data shape: [128 512 1 1]
Mean: -0.00100665
Std deviation: 0.0497694

"inception_4c/1x1"

Activation

Data shape: [128 14 21]
Mean: 3.23791
Std deviation: 9.04313

"inception_4c/3x3_reduce"

Weights *(Convolution layer)*

65,664 learned parameters

Data shape: [128 512 1 1]
Mean: -0.000827663
Std deviation: 0.0476719

"inception_4c/3x3_reduce"

Activation

Data shape: [128 14 21]
Mean: 4.56498
Std deviation: 10.8047

"inception_4c/3x3"

Weights *(Convolution layer)*

295,168 learned parameters

Data shape: [256 128 3 3]
Mean: -0.00192116
Std deviation: 0.0251091

"inception_4c/3x3"

Activation

Data shape: [256 14 21]
Mean: 3.03093
Std deviation: 9.28408

"inception_4c/5x5_reduce"

Weights *(Convolution layer)*

12,312 learned parameters

Data shape: [24 512 1 1]
Mean: -0.000668024
Std deviation: 0.0555963

"inception_4c/5x5_reduce"

Activation

Data shape: [24 14 21]
Mean: 5.38419
Std deviation: 14.5989

"inception_4c/5x5"

Weights *(Convolution layer)*

38,464 learned parameters

Data shape: [64 24 5 5]
Mean: -0.00331463
Std deviation: 0.0354081

"inception_4c/5x5"

Activation

Data shape: [64 14 21]
Mean: 4.18884
Std deviation: 12.5015

"inception_4c/pool"

Activation

Data shape: [512 14 21]
Mean: 9.56664
Std deviation: 17.3675

"inception_4c/pool_proj"

Weights *(Convolution layer)*

32,832 learned parameters

Data shape: [64 512 1 1]
Mean: -0.00283622
Std deviation: 0.0417048

"inception_4c/pool_proj"

Activation

Data shape: [64 14 21]
Mean: 3.74286
Std deviation: 9.05954

"inception_4c/output"

Activation

Data shape: [512 14 21]
Mean: 3.3164
Std deviation: 9.67023

"inception_4d/1x1"

Weights *(Convolution layer)*

57,456 learned parameters

Data shape: [112 512 1 1]
Mean: -0.00324342
Std deviation: 0.0465173

"inception_4d/1x1"

Activation

Data shape: [112 14 21]
Mean: 1.14159
Std deviation: 5.46506

"inception_4d/3x3_reduce"

Weights *(Convolution layer)*

73,872 learned parameters

Data shape: [144 512 1 1]
Mean: -0.00241663
Std deviation: 0.0526088

"inception_4d/3x3_reduce"

Activation

Data shape: [144 14 21]
Mean: 2.46259
Std deviation: 8.05863

"inception_4d/3x3"

Weights *(Convolution layer)*

373,536 learned parameters

Data shape: [288 144 3 3]
Mean: -0.00302355
Std deviation: 0.0251868

"inception_4d/3x3"

Activation

Data shape: [288 14 21]
Mean: 1.05958
Std deviation: 5.1087

"inception_4d/5x5_reduce"

Weights *(Convolution layer)*

16,416 learned parameters

Data shape: [32 512 1 1]
Mean: -7.10371e-05
Std deviation: 0.0483827

"inception_4d/5x5_reduce"

Activation

Data shape: [32 14 21]
Mean: 4.44665
Std deviation: 11.0834

"inception_4d/5x5"

Weights *(Convolution layer)*

51,264 learned parameters

Data shape: [64 32 5 5]
Mean: -0.00294295
Std deviation: 0.0299174

"inception_4d/5x5"

Activation

Data shape: [64 14 21]
Mean: 1.8271
Std deviation: 7.91613

"inception_4d/pool"

Activation

Data shape: [512 14 21]
Mean: 7.15888
Std deviation: 15.7633

"inception_4d/pool_proj"

Weights *(Convolution layer)*

32,832 learned parameters

Data shape: [64 512 1 1]
Mean: -0.00440733
Std deviation: 0.0444473

"inception_4d/pool_proj"

Activation

Data shape: [64 14 21]
Mean: 1.79894
Std deviation: 6.20581

"inception_4d/output"

Activation

Data shape: [528 14 21]
Mean: 1.25963
Std deviation: 5.73635

"inception_4e/1x1"

Weights *(Convolution layer)*

135,424 learned parameters

Data shape: [256 528 1 1]
Mean: -0.00435833
Std deviation: 0.0323524

"inception_4e/1x1"

Activation

Data shape: [256 14 21]
Mean: 0.417557
Std deviation: 2.38132

"inception_4e/3x3_reduce"

Weights *(Convolution layer)*

84,640 learned parameters

Data shape: [160 528 1 1]
Mean: -0.000179573
Std deviation: 0.0333746

"inception_4e/3x3_reduce"

Activation

Data shape: [160 14 21]
Mean: 2.77508
Std deviation: 4.66167

"inception_4e/3x3"

Weights *(Convolution layer)*

461,120 learned parameters

Data shape: [320 160 3 3]
Mean: -0.00163632
Std deviation: 0.0152931

"inception_4e/3x3"

Activation

Data shape: [320 14 21]
Mean: 1.44803
Std deviation: 4.33312

"inception_4e/5x5_reduce"

Weights *(Convolution layer)*

16,928 learned parameters

Data shape: [32 528 1 1]
Mean: 0.00281087
Std deviation: 0.0441756

"inception_4e/5x5_reduce"

Activation

Data shape: [32 14 21]
Mean: 5.54493
Std deviation: 8.62563

"inception_4e/5x5"

Weights *(Convolution layer)*

102,528 learned parameters

Data shape: [128 32 5 5]
Mean: -0.00307373
Std deviation: 0.0211244

"inception_4e/5x5"

Activation

Data shape: [128 14 21]
Mean: 1.09681
Std deviation: 4.99218

"inception_4e/pool"

Activation

Data shape: [528 14 21]
Mean: 2.89561
Std deviation: 9.80821

"inception_4e/pool_proj"

Weights *(Convolution layer)*

67,712 learned parameters

Data shape: [128 528 1 1]
Mean: -0.00419752
Std deviation: 0.0374856

"inception_4e/pool_proj"

Activation

Data shape: [128 14 21]
Mean: 0.975246
Std deviation: 3.35561

"inception_4e/output"

Activation

Data shape: [832 14 21]
Mean: 1.00419
Std deviation: 3.83507

"inception_5a/1x1"

Weights *(Convolution layer)*

213,248 learned parameters

Data shape: [256 832 1 1]
Mean: -0.00138519
Std deviation: 0.0299647

"inception_5a/1x1"

Activation

Data shape: [256 14 21]
Mean: 1.00544
Std deviation: 2.69323

"inception_5a/3x3_reduce"

Weights *(Convolution layer)*

133,280 learned parameters

Data shape: [160 832 1 1]
Mean: -0.00024033
Std deviation: 0.0314305

"inception_5a/3x3_reduce"

Activation

Data shape: [160 14 21]
Mean: 2.11364
Std deviation: 4.2435

"inception_5a/3x3"

Weights *(Convolution layer)*

461,120 learned parameters

Data shape: [320 160 3 3]
Mean: -0.00198873
Std deviation: 0.017891

"inception_5a/3x3"

Activation

Data shape: [320 14 21]
Mean: 1.31554
Std deviation: 3.79724

"inception_5a/5x5_reduce"

Weights *(Convolution layer)*

26,656 learned parameters

Data shape: [32 832 1 1]
Mean: 0.000851339
Std deviation: 0.0373565

"inception_5a/5x5_reduce"

Activation

Data shape: [32 14 21]
Mean: 5.33321
Std deviation: 9.68082

"inception_5a/5x5"

Weights *(Convolution layer)*

102,528 learned parameters

Data shape: [128 32 5 5]
Mean: -0.00291477
Std deviation: 0.0242649

"inception_5a/5x5"

Activation

Data shape: [128 14 21]
Mean: 2.07746
Std deviation: 6.19542

"inception_5a/pool"

Activation

Data shape: [832 14 21]
Mean: 1.98257
Std deviation: 6.02254

"inception_5a/pool_proj"

Weights *(Convolution layer)*

106,624 learned parameters

Data shape: [128 832 1 1]
Mean: -0.00263359
Std deviation: 0.0377876

"inception_5a/pool_proj"

Activation

Data shape: [128 14 21]
Mean: 1.45053
Std deviation: 3.71887

"inception_5a/output"

Activation

Data shape: [832 14 21]
Mean: 1.3581
Std deviation: 3.98969

"inception_5b/1x1"

Weights *(Convolution layer)*

319,872 learned parameters

Data shape: [384 832 1 1]
Mean: -0.00297514
Std deviation: 0.0259541

"inception_5b/1x1"

Activation

Data shape: [384 14 21]
Mean: 1.1085
Std deviation: 2.02407

"inception_5b/3x3_reduce"

Weights *(Convolution layer)*

159,936 learned parameters

Data shape: [192 832 1 1]
Mean: -0.00285598
Std deviation: 0.0366452

"inception_5b/3x3_reduce"

Activation

Data shape: [192 14 21]
Mean: 1.57284
Std deviation: 3.08843

"inception_5b/3x3"

Weights *(Convolution layer)*

663,936 learned parameters

Data shape: [384 192 3 3]
Mean: -0.00140676
Std deviation: 0.0163204

"inception_5b/3x3"

Activation

Data shape: [384 14 21]
Mean: 2.39626
Std deviation: 3.44638

"inception_5b/5x5_reduce"

Weights *(Convolution layer)*

39,984 learned parameters

Data shape: [48 832 1 1]
Mean: -0.00163829
Std deviation: 0.0372861

"inception_5b/5x5_reduce"

Activation

Data shape: [48 14 21]
Mean: 2.42057
Std deviation: 3.88232

"inception_5b/5x5"

Weights *(Convolution layer)*

153,728 learned parameters

Data shape: [128 48 5 5]
Mean: -0.00202694
Std deviation: 0.0156399

"inception_5b/5x5"

Activation

Data shape: [128 14 21]
Mean: 1.31851
Std deviation: 2.67409

"inception_5b/pool"

Activation

Data shape: [832 14 21]
Mean: 2.38049
Std deviation: 5.71494

"inception_5b/pool_proj"

Weights *(Convolution layer)*

106,624 learned parameters

Data shape: [128 832 1 1]
Mean: -0.00293719
Std deviation: 0.0282102

"inception_5b/pool_proj"

Activation

Data shape: [128 14 21]
Mean: 1.38555
Std deviation: 2.96074

"inception_5b/output"

Activation

Data shape: [1024 14 21]
Mean: 1.6523
Std deviation: 2.88547

"pool5/drop_s1"

Activation

Data shape: [1024 14 21]
Mean: 1.6523
Std deviation: 2.88547

"cvg/classifier"

Weights *(Convolution layer)*

1,025 learned parameters

Data shape: [1 1024 1 1]
Mean: -0.000790402
Std deviation: 0.0304404

"cvg/classifier"

Activation

Data shape: [1 14 21]
Mean: -15.0489
Std deviation: 5.64462

"coverage"

Activation

Data shape: [1 14 21]
Mean: 0.00298333
Std deviation: 0.0264748

"bbox/regressor"

Weights *(Convolution layer)*

4,100 learned parameters

Data shape: [4 1024 1 1]
Mean: 0.000305569
Std deviation: 0.0315527

"bboxes"

Activation

Data shape: [4 14 21]
Mean: 3.4734
Std deviation: 16.6352

"bbox-list"

Activation

Data shape: [50 5]
Mean: 0.0
Std deviation: 0.0

Totals

Total learned parameters:
5,978,677