|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Image No. | Original Data No. | Class Labels |  | Bias %age = (*unit in pixels*)  Error= (Mean image of 100 predictions – Ground truth image) |
| 4 | 12 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-4.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.1 | 0.1 | 0.64 | 0.56 | 0.92 | 0.03 | 0.58 | 0.59 | 0.87 | 0.51 | 0.31 | 0.826 | 0.49 |     B1 Res18 |
| 5 | 142 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-5.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.95 | 0.12 | 1.37 | 0.37 | 0.02 | 0.76 | 0.37 | 0.8 | 2.07 | 0.4 | 1.88 | 0.193 | 0.75 |     B4 Res18 |
| 7 | 167 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-7.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.04 | 0.9 | 0.31 | 0 | 0.19 | 0.15 | 0.6 | 0.71 | 0.26 | 0.5 | 1.23 | 0.111 | 0.44 | |
| 10 | 181 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-10.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.15 | 0.6 | 0.02 | 0.31 | 0.19 | 0.51 | 0.22 | 0.03 | 0.71 | 0.59 | 0.05 | 1.634 | 0.48 | |
| 12 | 217 | 3 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-12.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.14 | 0.1 | 0.28 | 0.55 | 0.75 | 0.36 | 0.29 | 0.32 | 0.3 | 0.31 | 0.44 | 1.247 | 0.42 | |
| 17 | 233 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-17.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.74 | 0.82 | 0.4 | 0.43 | 0.41 | 1.13 | 0.77 | 0.22 | 0.26 | 0.39 | 0.24 | 0.309 | 0.50 | |
| 19 | 243 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-19.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.51 | 0.63 | 0.99 | 0.3 | 0.89 | 0.93 | 0.89 | 0.38 | 0.59 | 0.68 | 0.53 | 0.669 | 0.66 | |
| 20 | 278 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-20.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.91 | 1.09 | 0.85 | 0.61 | 0.24 | 0.49 | 0.18 | 0.45 | 0.12 | 0.76 | 0.78 | 0.908 | 0.64 | |
| 26 | 57 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-26.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.21 | 0.43 | 0.04 | 1.43 | 0.33 | 0.71 | 0.48 | 0.5 | 0.97 | 0.51 | 0.05 | 0.211 | 0.51 | |
| 34 | 147 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-34.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.26 | 1.21 | 0.38 | 0.58 | 1.47 | 0.13 | 0.21 | 0.16 | 0.34 | 1.14 | 0.41 | 1.831 | 0.71 | |
| 35 | 148 | 1 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-35.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 0.58 | 0.41 | 0.59 | 1.05 | 1.15 | 0.15 | 0.99 | 0.62 | 0.41 | 1.23 | 0.33 | 2.123 | 0.78 | |
| 57 | 25 | 2 | C:\Users\engri\Documents\GitHub\segmentation_data\SigTuple_datac\test_0-59\test-57.jpg | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | B0  (Bias %age) | B1  (Bias %age) | B2  (Bias %age) | B3  (Bias %age) | B4  (Bias %age) | B5  (Bias %age) | B6  (Bias %age) | B7  (Bias %age) | Res18  (Bias %age) | Res34  (Bias %age) | Res50  (Bias %age) | Res101  (Bias %age) | Average | | 1.13 | 0.49 | 0.69 | 2.14 | 0.48 | 1.16 | 0.7 | 0.48 | 1.36 | 2.07 | 0.91 | 1.04 | 0.98 | |

Best images together view:



Bias %age = (*unit in pixels*)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Image number | B0 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | Res18 | Res34 | Res50 | Res101 | Res152 | Average of bias %age for each test image |
| (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) | (Bias %age) |
| 0 | 0.08 | 1.55 | 1.07 | 0.59 | 0.96 | 2.12 | 1.48 | 2.2 | 1.2 | 1.03 | 4.58 | 0.095 | 0.98 | 1.38 |
| 1 | 0.7 | 4.5 | 3.25 | 0.59 | 0.66 | 3.6 | 0.66 | 0.87 | 2.35 | 1.06 | 15.73 | 4.444 | 0.53 | 3.00 |
| 2 | 3.21 | 2.74 | 1.96 | 2.89 | 2.81 | 3.72 | 2.84 | 2.81 | 5 | 1.4 | 1.32 | 0.64 | 0.84 | 2.48 |
| 3 | 0.63 | 1.82 | 1.8 | 0.7 | 1.4 | 0.61 | 1.14 | 1.27 | 0.15 | 0.65 | 0.7 | 1.655 | 0.19 | 0.98 |
| 4 | 0.1 | 0.1 | 0.64 | 0.56 | 0.92 | 0.03 | 0.58 | 0.59 | 0.87 | 0.51 | 0.31 | 0.826 | 0.40 | 0.49 |
| 5 | 0.95 | 0.12 | 1.37 | 0.37 | 0.02 | 0.76 | 0.37 | 0.8 | 2.07 | 0.4 | 1.88 | 0.193 | 0.46 | 0.75 |
| 6 | 1.93 | 1.44 | 1.45 | 1.67 | 1.84 | 1.32 | 2.08 | 1.85 | 1.98 | 2.05 | 2.52 | 1.57 | 1.64 | 1.80 |
| 7 | 0.04 | 0.9 | 0.31 | 0 | 0.19 | 0.15 | 0.6 | 0.71 | 0.26 | 0.5 | 1.23 | 0.111 | 0.73 | 0.44 |
| 8 | 0.88 | 2.13 | 1.19 | 1.54 | 2.76 | 1.93 | 2.16 | 2.6 | 2.25 | 3.52 | 1.19 | 2.996 | 2.08 | 2.09 |
| 9 | 1.23 | 1.26 | 1.13 | 0.96 | 2.22 | 1.35 | 1.44 | 2.22 | 0.45 | 1.27 | 1.28 | 1.698 | 1.24 | 1.37 |
| 10 | 0.15 | 0.6 | 0.02 | 0.31 | 0.19 | 0.51 | 0.22 | 0.03 | 0.71 | 0.59 | 0.05 | 1.634 | 1.17 | 0.48 |
| 11 | 1.26 | 0.64 | 1.2 | 1.31 | 1.47 | 0.99 | 1.01 | 1.3 | 1.59 | 1.06 | 1.52 | 1.295 | 1.27 | 1.22 |
| 12 | 0.14 | 0.1 | 0.28 | 0.55 | 0.75 | 0.36 | 0.29 | 0.32 | 0.3 | 0.31 | 0.44 | 1.247 | 0.35 | 0.42 |
| 13 | 4.33 | 5.19 | 4.22 | 2.27 | 3.99 | 3.2 | 2.92 | 2.34 | 2.2 | 3.22 | 3.51 | 3.956 | 2.54 | 3.38 |
| 14 | 1.76 | 0.23 | 0.86 | 1.19 | 1.1 | 0.6 | 0.97 | 1.27 | 1.6 | 2.32 | 0.98 | 1.944 | 1.98 | 1.29 |
| 15 | 1.1 | 1.69 | 1.04 | 1.26 | 1 | 0.65 | 1.26 | 1.34 | 2.16 | 1.05 | 1.21 | 0.648 | 1.24 | 1.20 |
| 16 | 1.85 | 1.47 | 1.64 | 1.85 | 1.42 | 1.07 | 1.53 | 1.59 | 2.58 | 2.17 | 1.92 | 1.32 | 2.24 | 1.74 |
| 17 | 0.74 | 0.82 | 0.4 | 0.43 | 0.41 | 1.13 | 0.77 | 0.22 | 0.26 | 0.39 | 0.24 | 0.309 | 0.44 | 0.50 |
| 18 | 0.27 | 2.36 | 1.26 | 2.89 | 1.32 | 1.12 | 1.6 | 1.36 | 2.33 | 1.23 | 1.19 | 1.606 | 1.54 | 1.54 |
| 19 | 0.51 | 0.63 | 0.99 | 0.3 | 0.89 | 0.93 | 0.89 | 0.38 | 0.59 | 0.68 | 0.53 | 0.669 | 0.55 | 0.66 |
| 20 | 0.91 | 1.09 | 0.85 | 0.61 | 0.24 | 0.49 | 0.18 | 0.45 | 0.12 | 0.76 | 0.78 | 0.908 | 0.93 | 0.64 |
| 21 | 0.73 | 1.31 | 0.65 | 1.76 | 1.33 | 1.27 | 1.21 | 1.21 | 1.68 | 0.32 | 0.92 | 0.623 | 1.10 | 1.09 |
| 22 | 4.43 | 6.5 | 6.21 | 4.12 | 7.17 | 5.35 | 6.06 | 6.66 | 2 | 4.37 | 4.3 | 4.359 | 3.21 | 4.98 |
| 23 | 0.08 | 0.07 | 0.61 | 0.58 | 0.22 | 1.05 | 0.01 | 1.1 | 1.39 | 1.06 | 0.69 | 2.893 | 0.00 | 0.75 |
| 24 | 1.16 | 1.36 | 1.29 | 1.05 | 1.14 | 1.29 | 1.09 | 1.18 | 1.07 | 1.45 | 1.33 | 2.024 | 1.41 | 1.30 |
| 25 | 2.4 | 1.51 | 1.48 | 3.49 | 2.25 | 2.14 | 2.15 | 2.9 | 2.46 | 1.5 | 2.87 | 1.741 | 2.39 | 2.25 |
| 26 | 0.21 | 0.43 | 0.04 | 1.43 | 0.33 | 0.71 | 0.48 | 0.5 | 0.97 | 0.51 | 0.05 | 0.211 | 0.82 | 0.51 |
| 27 | 2.05 | 3.33 | 2.87 | 2.54 | 2.39 | 1.74 | 2.46 | 1.88 | 4.76 | 2.12 | 2.29 | 0.093 | 2.05 | 2.35 |
| 28 | 2.66 | 3.88 | 2.86 | 4.04 | 4.58 | 3.47 | 4.38 | 3.36 | 5.62 | 4.28 | 4.89 | 2.32 | 4.51 | 3.91 |
| 29 | 2.63 | 4.23 | 1.96 | 3.68 | 4.44 | 3.11 | 3.44 | 3.75 | 1.75 | 3.37 | 2.65 | 3.575 | 3.08 | 3.21 |
| 30 | 1.91 | 2.16 | 2.49 | 1.92 | 2.32 | 1.66 | 1.95 | 2.03 | 0.45 | 2.42 | 1.54 | 2.403 | 1.96 | 1.94 |
| 31 | 1.98 | 1.98 | 2.55 | 2.26 | 1.48 | 2.13 | 1.65 | 3.08 | 3.95 | 1.86 | 1.65 | 2.298 | 2.64 | 2.27 |
| 32 | 3.4 | 1.73 | 3.6 | 2.11 | 2.67 | 3.44 | 1.9 | 1.62 | 4.54 | 3.78 | 2.21 | 2.853 | 3.45 | 2.87 |
| 33 | 2.33 | 3.55 | 2.56 | 3.13 | 3.23 | 2.37 | 2.87 | 3.1 | 2.37 | 2.72 | 2.72 | 3.188 | 2.45 | 2.81 |
| 34 | 0.26 | 1.21 | 0.38 | 0.58 | 1.47 | 0.13 | 0.21 | 0.16 | 0.34 | 1.14 | 0.41 | 1.831 | 1.10 | 0.71 |
| 35 | 0.58 | 0.41 | 0.59 | 1.05 | 1.15 | 0.15 | 0.99 | 0.62 | 0.41 | 1.23 | 0.33 | 2.123 | 0.57 | 0.78 |
| 36 | 3.54 | 1.67 | 4.95 | 2.36 | 2.79 | 3.5 | 2.99 | 2.08 | 5.2 | 3.29 | 1.81 | 2.793 | 2.18 | 3.01 |
| 37 | 0.89 | 0.46 | 0.52 | 0.33 | 0.31 | 0.59 | 0.38 | 1.52 | 1.98 | 0.53 | 2.59 | 1.666 | 0.97 | 0.98 |
| 38 | 1.53 | 1.86 | 0.88 | 2.33 | 1.74 | 1.1 | 1.98 | 1.35 | 3.06 | 1.55 | 2.7 | 2.22 | 1.80 | 1.85 |
| 39 | 2.92 | 3.31 | 2.88 | 2.58 | 2.68 | 2.62 | 3.35 | 2.94 | 2.2 | 3.33 | 3.53 | 5.151 | 3.91 | 3.19 |
| 40 | 2.24 | 1.36 | 1.07 | 0.75 | 1.35 | 1.19 | 1.54 | 1.52 | 0.09 | 0.81 | 1.14 | 1.643 | 1.05 | 1.21 |
| 41 | 2.43 | 1.36 | 1.13 | 1.12 | 1.35 | 0.99 | 1.59 | 1.49 | 0.11 | 1.45 | 1.85 | 2.279 | 1.72 | 1.45 |
| 42 | 1.4 | 1.31 | 0.09 | 0.46 | 1.85 | 0.79 | 0.84 | 1.4 | 0.98 | 0.83 | 3.03 | 1.065 | 0.81 | 1.14 |
| 43 | 0.61 | 2.78 | 1.04 | 0.79 | 0.01 | 0.08 | 0.26 | 0.61 | 1.26 | 0.05 | 0.37 | 0.286 | 0.37 | 0.66 |
| 44 | 2.4 | 2.77 | 2.16 | 2.61 | 2.31 | 2.17 | 2.44 | 2.31 | 2.74 | 2.65 | 2.94 | 2.556 | 2.25 | 2.48 |
| 45 | 1.3 | 0.65 | 0.78 | 1.3 | 1.17 | 0.8 | 1.01 | 1.1 | 1.58 | 1.47 | 0.63 | 2.027 | 1.50 | 1.18 |
| 46 | 4.21 | 3.53 | 4.01 | 3.51 | 4.09 | 3.7 | 3.15 | 3.73 | 4.17 | 4.73 | 3.65 | 5.129 | 4.54 | 4.01 |
| 47 | 5.25 | 3.11 | 8.36 | 3.61 | 3.99 | 3.45 | 3.97 | 3.68 | 9.18 | 4.81 | 5.01 | 4.661 | 4.93 | 4.92 |
| 48 | 3.62 | 2.55 | 3.33 | 1.71 | 2.98 | 2.78 | 2.26 | 3.29 | 3.11 | 3.67 | 3.38 | 3.785 | 3.44 | 3.07 |
| 49 | 1.14 | 1.44 | 0.97 | 1.11 | 1.19 | 0.84 | 0.8 | 0.95 | 2.11 | 1.3 | 1.39 | 0.994 | 1.37 | 1.20 |
| 50 | 1.49 | 1.11 | 1.64 | 0.92 | 1.42 | 0.89 | 0.33 | 1.06 | 1.99 | 2.96 | 1.65 | 3.352 | 4.54 | 1.80 |
| 51 | 1.61 | 0.56 | 1.14 | 0.45 | 0.93 | 0.77 | 0.12 | 1.01 | 1.1 | 1.66 | 0.45 | 1.791 | 1.87 | 1.04 |
| 52 | 3.62 | 4.25 | 3.77 | 3.85 | 3.84 | 3.13 | 3.26 | 3.54 | 3.92 | 3.91 | 3.01 | 4.139 | 3.42 | 3.67 |
| 53 | 3.23 | 3.42 | 3.6 | 2.97 | 2.83 | 2.91 | 3.27 | 2.88 | 1.24 | 3.15 | 3.22 | 3.206 | 3.18 | 3.01 |
| 54 | 1.87 | 2.08 | 1.81 | 2.39 | 2 | 1.63 | 1.92 | 2.01 | 1.79 | 1.96 | 1.93 | 2.56 | 1.91 | 1.99 |
| 55 | 1.42 | 3.04 | 2.96 | 2.49 | 2.36 | 2.85 | 2.76 | 2.08 | 2.75 | 1.99 | 0.86 | 1.751 | 1.93 | 2.25 |
| 56 | 3.87 | 3.96 | 2.51 | 3.51 | 5.2 | 4.79 | 3.07 | 1.8 | 0.27 | 1.93 | 1.33 | 2.489 | 1.95 | 2.82 |
| 57 | 1.13 | 0.49 | 0.69 | 2.14 | 0.48 | 1.16 | 0.7 | 0.48 | 1.36 | 2.07 | 0.91 | 1.04 | 0.11 | 0.98 |
| 58 | 1.75 | 1.63 | 2.07 | 0.34 | 1.36 | 0.8 | 1.44 | 1.05 | 0.48 | 1.07 | 1.44 | 2.147 | 0.81 | 1.26 |
| Count number of cases for each backbone which have bias %age more than 3.5 | 8 | 9 | 8 | 7 | 8 | 6 | 3 | 5 | 9 | 8 | 8 | 9 | 5 |  |
| Average of bias %age for each backbone | 1.74661 | 1.927797 | 1.854746 | 1.698475 | 1.880678 | 1.697966 | 1.682542 | 1.755085 | 1.990678 | 1.855424 | 2.047119 | 2.051339 | 1.773396 |  |