

Run 1:

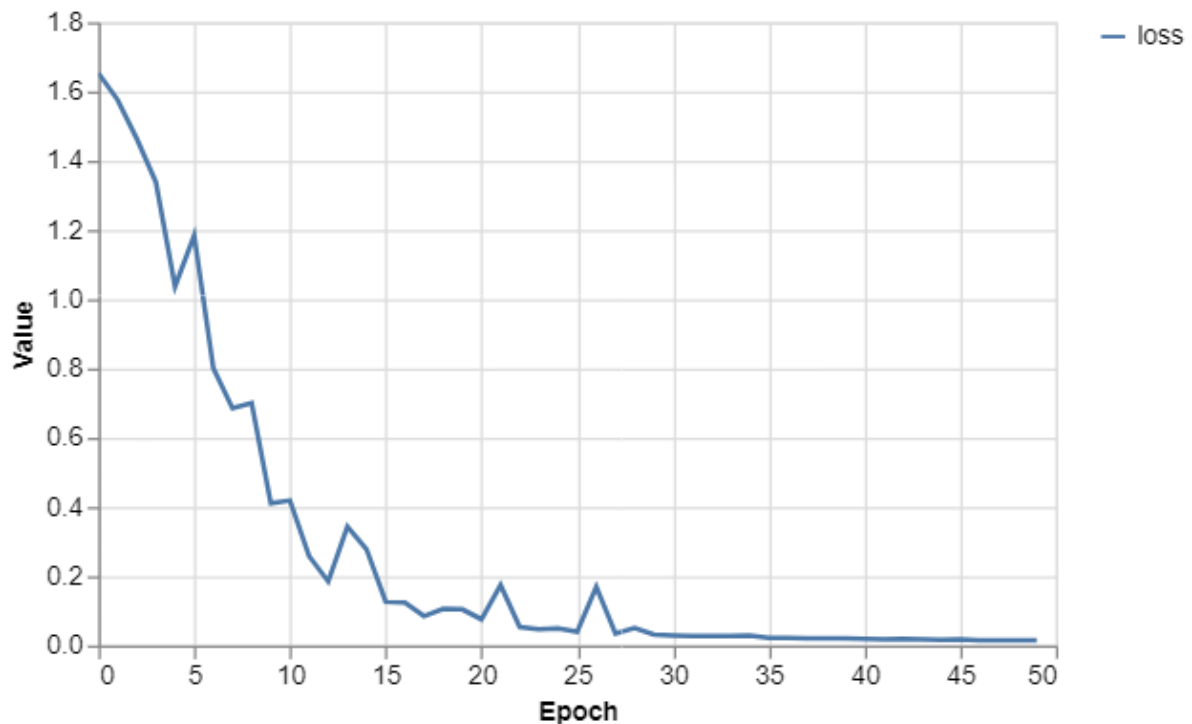
```
epochs: 50,  
learningRate: 0.2,  
hiddenUnits: 8,
```

Finished training! This model is 83.3969465648855% accurate with a total guesses of:1048 Good guesses: 874 Bad guesses 174 800.1s:277
The index numbers it got wrong in testing 800.1s:278
were:142,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,514,515,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642

Run 2:

```
epochs: 50,  
learningRate: 0.2,  
hiddenUnits: 8,
```

onEpochEnd

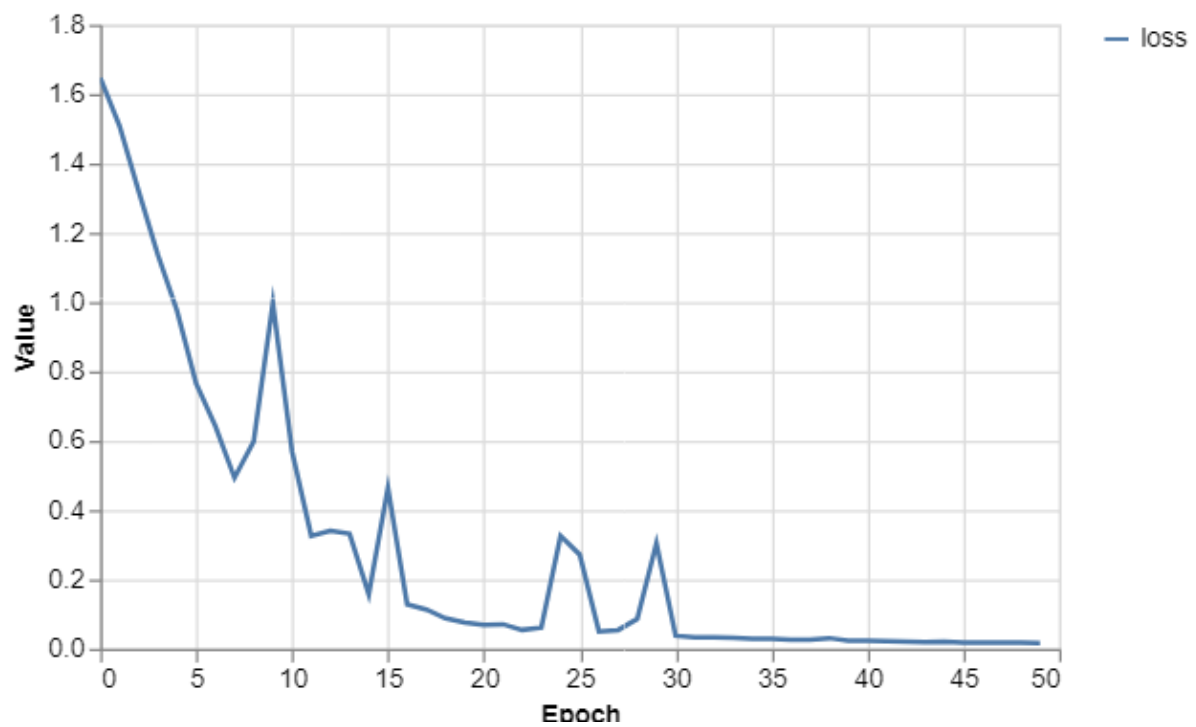


Finished training! This model is 86.64122137404581% accurate with a total guesses of:1048 Good guesses: 908 Bad guesses 140 800.1s:277
The index numbers it got wrong in testing 800.1s:278
were:142,452,456,459,460,461,462,463,464,465,466,467,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,490,493,494,495,496,497,498,499,502,505,506,508,511,512,515,531,532,533,534,535,536,537,538,539,540,541,542,543,545,546,547,548,549,550,551,552,553,554,555,556,565,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,596,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,629,630,631,632,633,634,635,636,637,638,639,640,641,642

Run 3:

```
epochs: 50,  
learningRate: 0.2,  
hiddenUnits: 8,
```

onEpochEnd

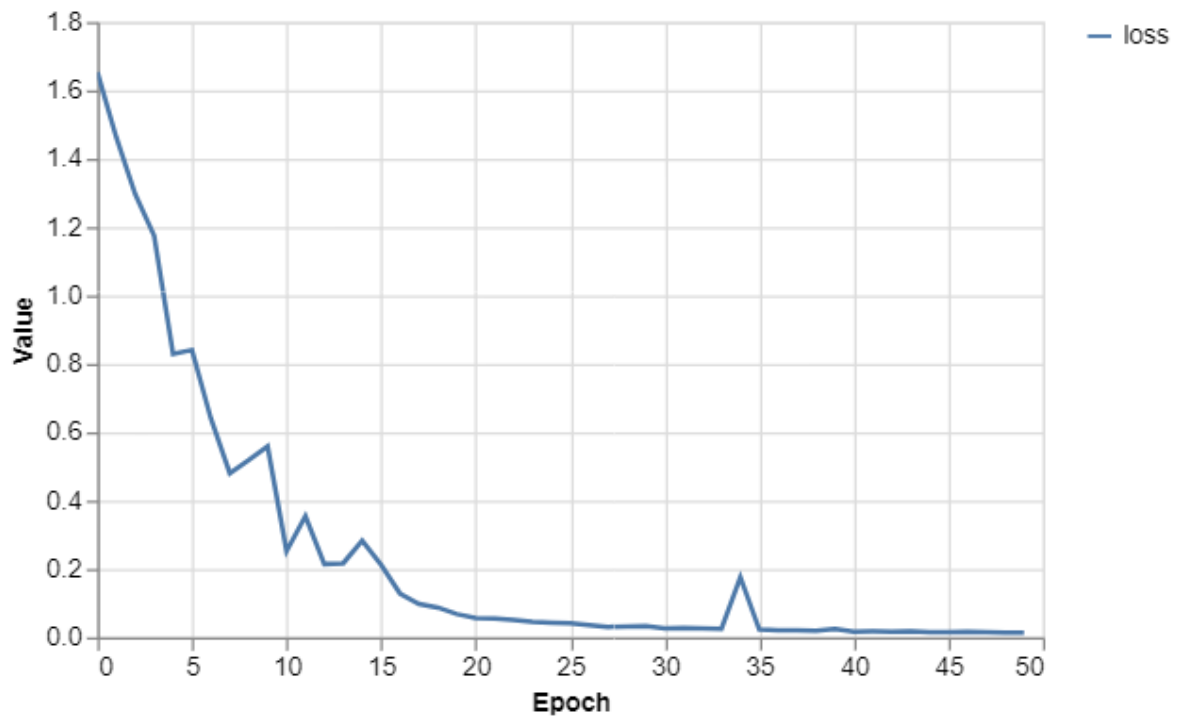


Finished training! This model is 93.32061068702289% accurate with a total guesses of:1048 Good guesses: 978 Bad guesses 70 800.js:277
The index numbers it got wrong in testing 800.js:278
were:142,476,477,478,479,480,481,482,483,484,506,531,532,533,534,535,536,537,538,539,540,549,550,551,552,553,554,555,556,577,578,579,580,581,582,584,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,622,623,629,630,631,632,633,634,635,636,637,638,639,640,641,642

Run 4:

```
epochs: 50,  
learningRate: 0.1,  
hiddenUnits: 16,
```

onEpochEnd

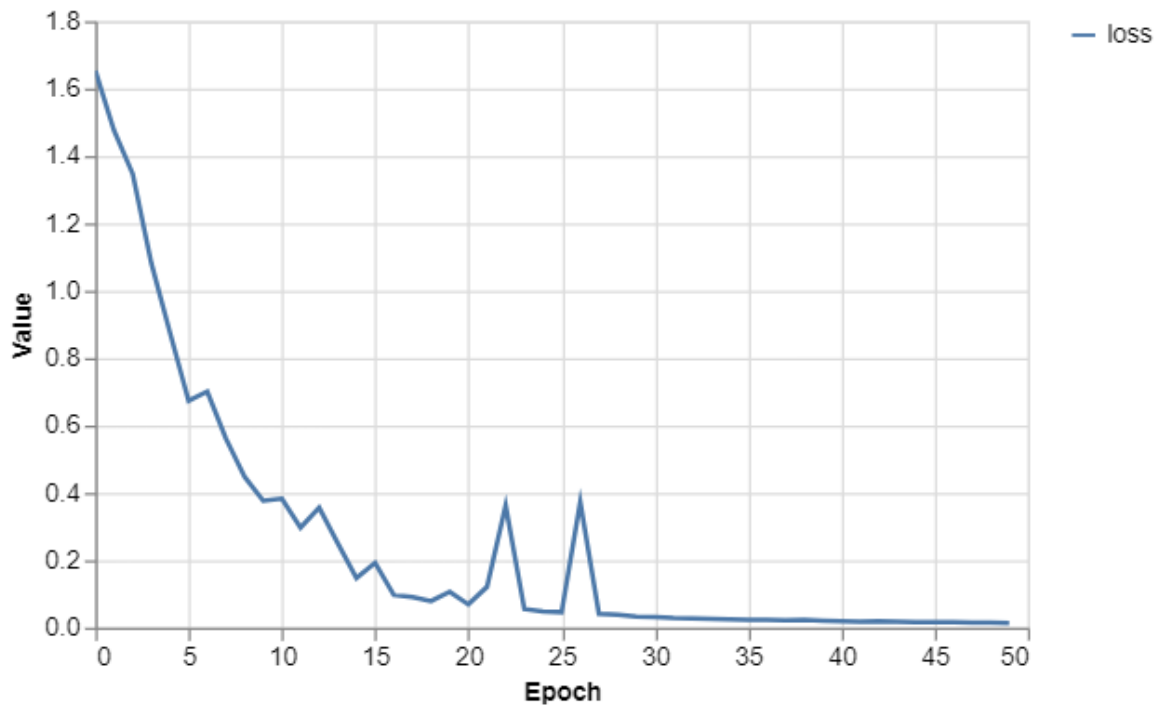


Finished training! This model is 89.31297709923665% accurate with a total guesses of:1048 Good guesses: 936 Bad guesses 112 [@dd,js:277](#)
The index numbers it got wrong in testing [@dd,js:278](#)
were:452,456,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,497,506,531,532,533,534,535,536,537,538,539,540,541,545,546,548,549,550,551,552,553,554,555,556,571,572,573,574,575,576,577,578,579,580,581,582,584,585,586,589,590,596,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,629,630,631,632,633,634,635,636,637,638,639,640,641,642

Run 5:

```
epochs: 50,  
learningRate: 0.1,  
hiddenUnits: 16,
```

onEpochEnd



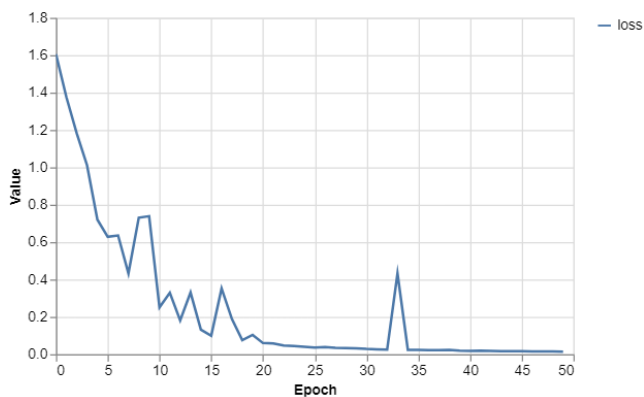
Finished training! This model is 87.21374045801527% accurate with a total guesses of:1048 Good guesses: 914 Bad guesses 134 [#00.js:227](#)

The index numbers it got wrong in testing [#00.js:228](#)
were:452,455,456,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,494,496,497,505,506,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,5
50,551,552,553,554,555,556,560,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,596,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618
,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642

Run 6:

```
epochs: 50,  
learningRate: 0.1,  
hiddenUnits: 16,
```

onEpochEnd



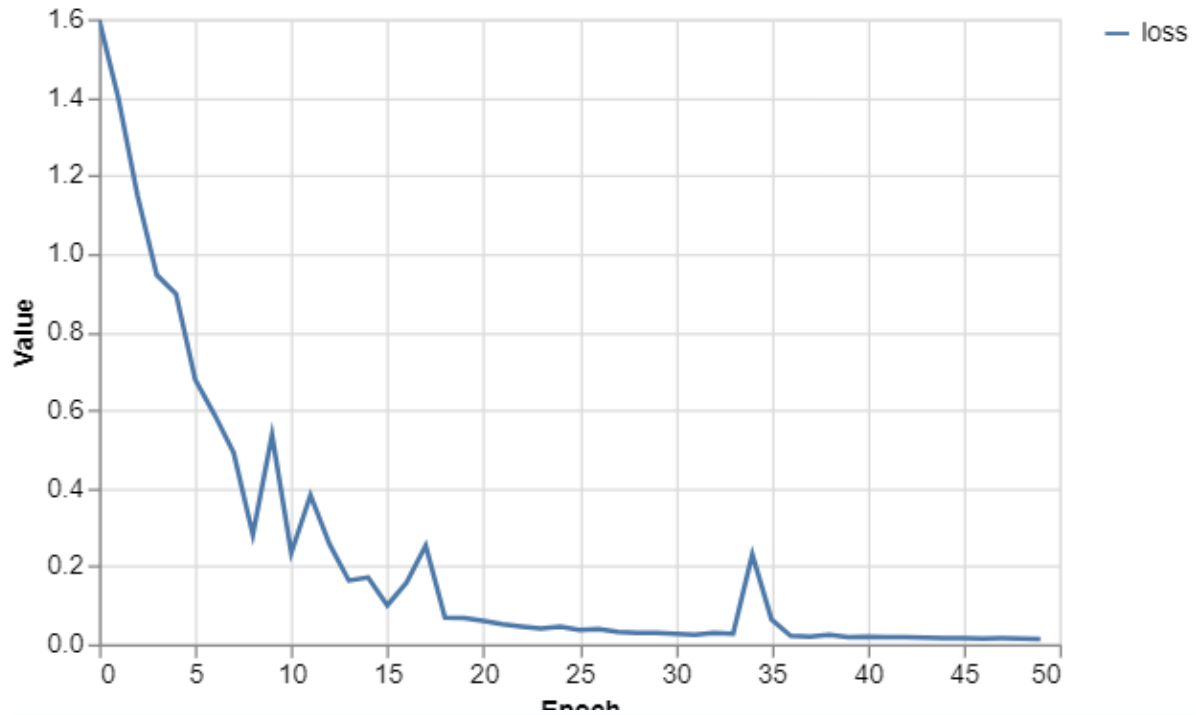
Finished training! This model is 83.96946564885496% accurate with a total guesses of:1048 Good guesses: 880 Bad guesses 168 [#00.js:227](#)

The index numbers it got wrong in testing [#00.js:228](#)
were:142,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,493,494,495,496,497,498,501,502,503,504,505,506,507,508,509,510,511,512,513,5
14,515,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584
,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,6
40,641,642

Run 7:

```
epochs: 50,  
learningRate: 0.8,  
hiddenUnits: 4,
```

onEpochEnd

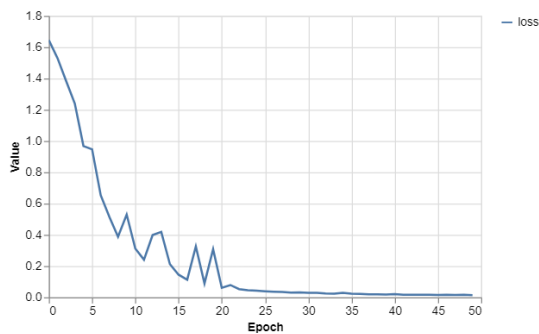


Finished training! This model is 86.54580152671755% accurate with a total guesses of:1048 Good guesses: 907 Bad guesses 141 RDD JS:227
The index numbers it got wrong in testing RDD JS:228
were:142,143,452,455,456,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,493,494,495,496,497,498,502,505,506,508,511,515,531,532,533,534,535,536,537,538,539,540,541,542,545,546,547,548,549,550,551,552,553,554,555,556,565,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,596,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,629,630,631,632,633,634,635,636,637,638,639,640,641,642

Run 8:

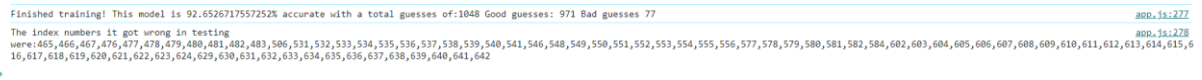
```
epochs: 50,  
learningRate: 0.8,  
hiddenUnits: 4,
```

onEpochEnd



Finished training! This model is 87.40458015267176% accurate with a total guesses of:1048 Good guesses: 916 Bad guesses 132 RDD JS:227
The index numbers it got wrong in testing RDD JS:228
were:141,142,143,452,455,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,493,494,495,496,497,498,502,503,504,505,506,508,531,532,533,534,535,536,537,538,539,540,541,545,546,548,549,550,551,552,553,554,555,556,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,593,596,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,629,630,631,632,633,634,635,636,637,638,639,640,641,642

```
epochs: 50,  
learningRate: 0.8,  
hiddenUnits: 4,
```



AI setting run 7-9 avg accuracy: 88.33%

The 400-600 section seems to consistantly be misinterperated by the AI.

- Made it label all the poses it got wrong
 - o Was mostly run-right

[illegible]

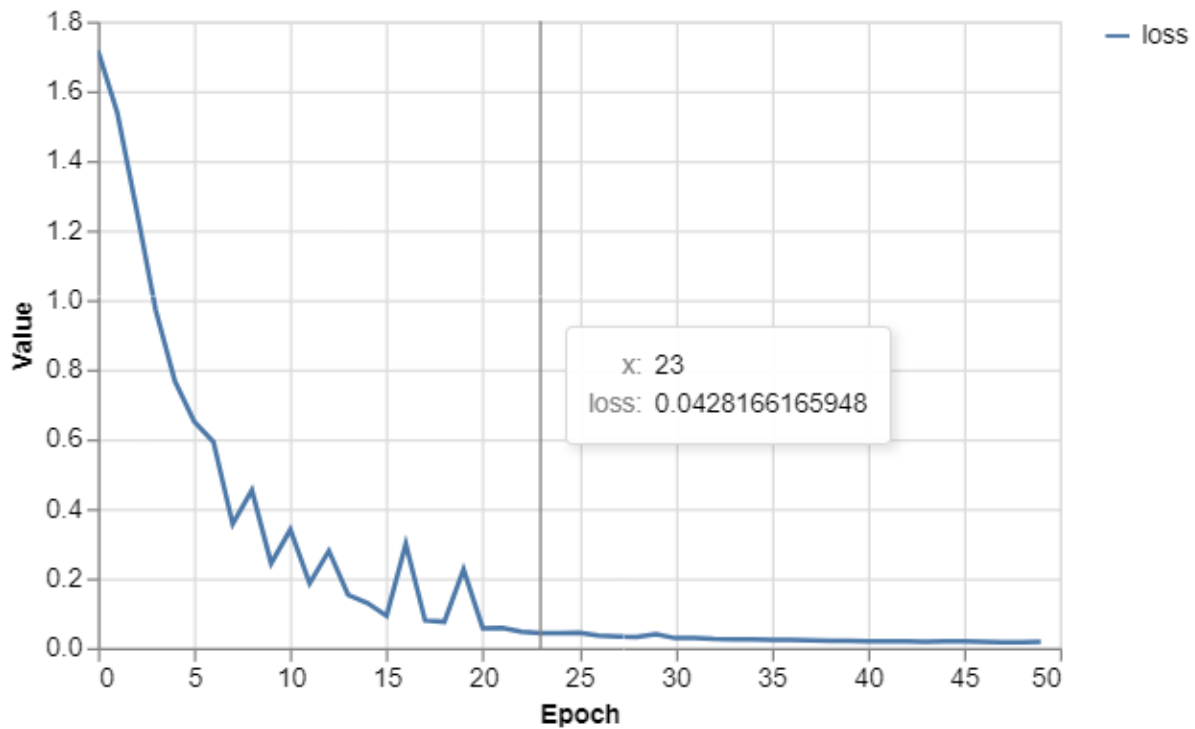
Changes:

- Deleted all my learning data for run-right (-222 entries)
- Added new data (+403 entries)

Results from changes:

Run 1:

onEpochEnd

[illegible]

Run 2:

A line graph showing the training loss over 50 epochs. The x-axis is labeled 'Epoch' and ranges from 0 to 50. The y-axis is labeled 'Value' and ranges from 0.0 to 1.8. The loss starts at approximately 1.75 at epoch 0 and decreases rapidly, reaching about 0.65 at epoch 5. It then fluctuates, with a notable peak around epoch 15 (approximately 0.35), before stabilizing near 0.0 after epoch 25. A legend in the top right corner indicates the blue line represents 'loss'.

Epoch	loss
0	1.75
5	0.65
10	0.22
15	0.35
20	0.15
25	0.05
30	0.03
35	0.02
40	0.01
45	0.01
50	0.01

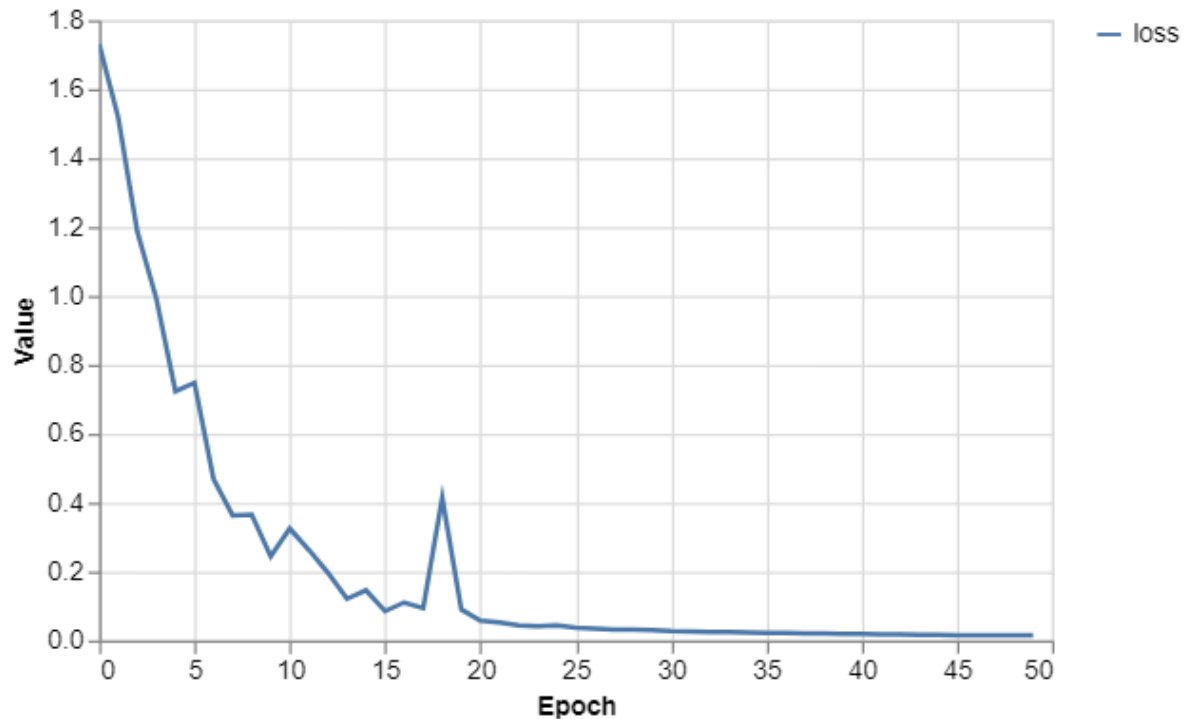
app.js:280

app.js:281

545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

app.js:282

onEpochEnd



Finished training! This model is 86.92748091603053% accurate with a total guesses of:1048 Good guesses: 911 Bad guesses 137

app.js:280

The index numbers it got wrong in testing

app.js:281

were: 452, 456, 459, 464, 465, 466, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 511, 515, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 545, 546, 547, 548, 549, 551, 552, 553, 554, 555, 556, 565, 567, 568, 569, 570, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 596, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 618, 619, 620, 621, 622, 623, 624, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642

[illegible]

app.js:282

Results changes:

Avg accuracy: 87.56%

Notes:

Replacing trainingdata had minimal changes in accuracy, testing data is presumably the problem.

Replacing trainingdata had minimal changes in training, spikes feel as common as usual and in both cases it breaks the 0,2 around 10-15 consistantly.

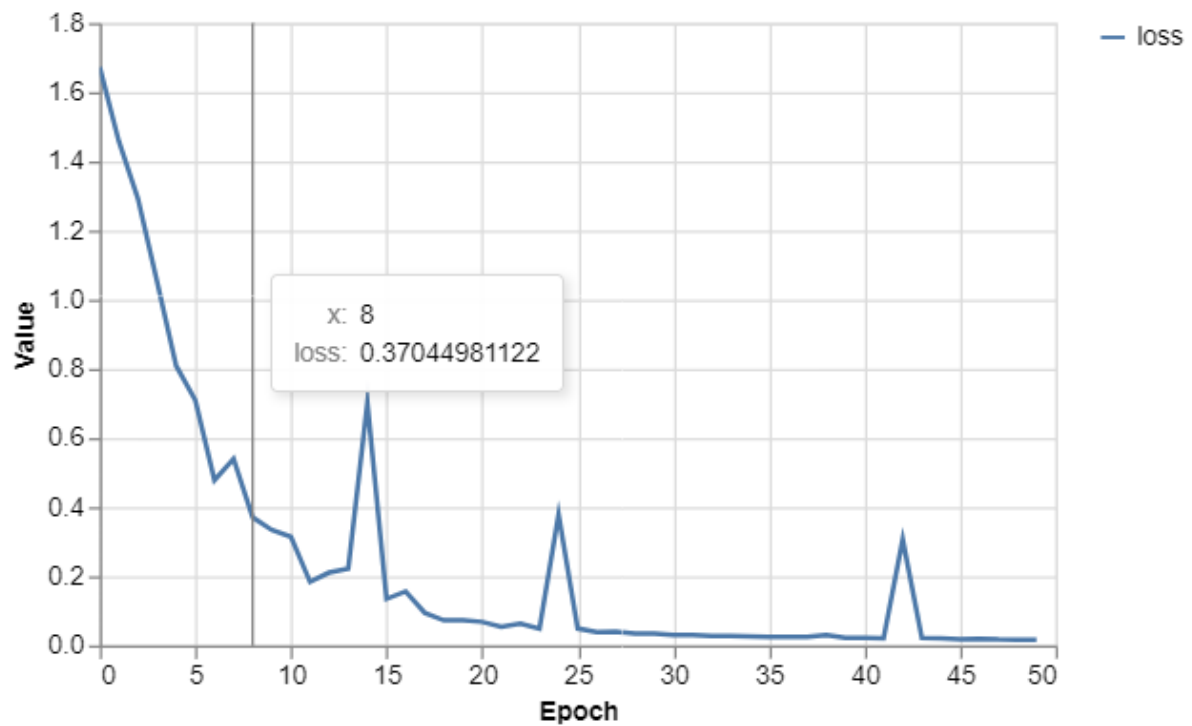
NEW CHANGES:

Replaced run-right training data to see if training data is bad. (-223 / +403)

RESULTS NEW CHANGES:

Run 1:

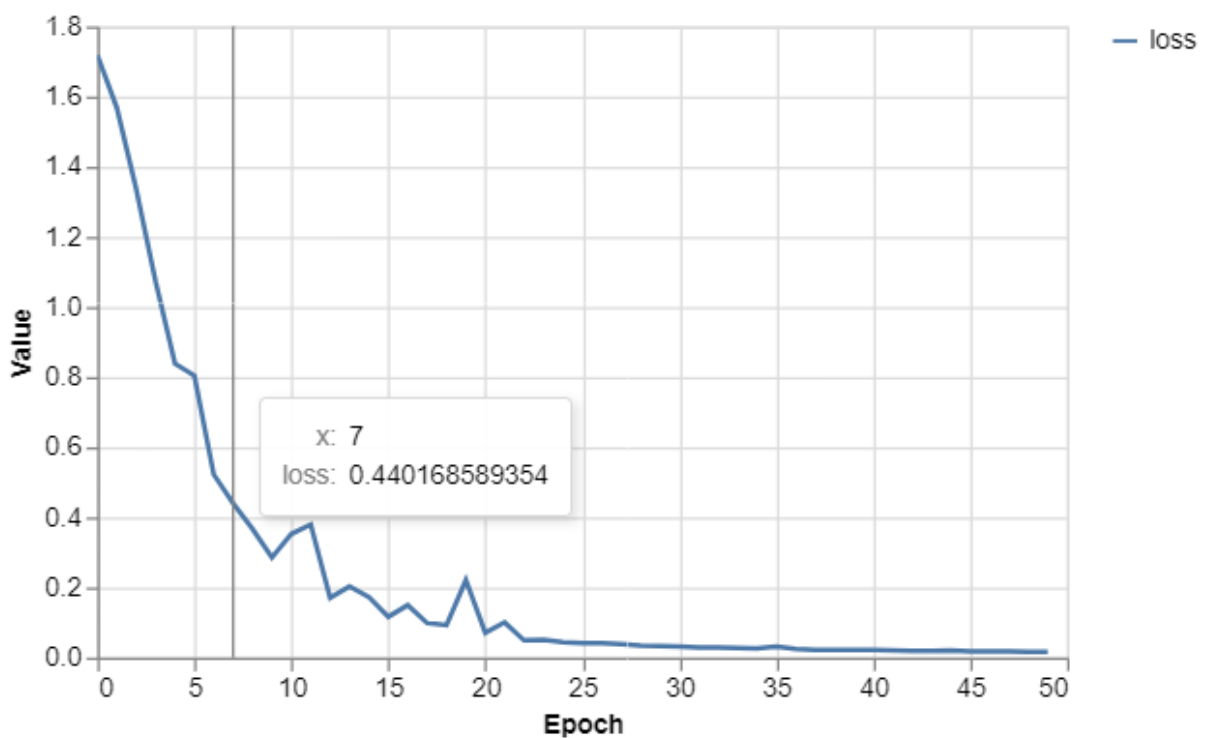
onEpochEnd



Finished training!
Finished training! This model is 99.7557003257329% accurate with a total guesses of:1228 Good guesses: 1225 Bad guesses 3
The index numbers it got wrong in testing were:141,142,143
The poses it got wrong in testing were:run-left,run-left,run-left

app.js:25
app.js:280
app.js:281
app.js:282

Run 2:



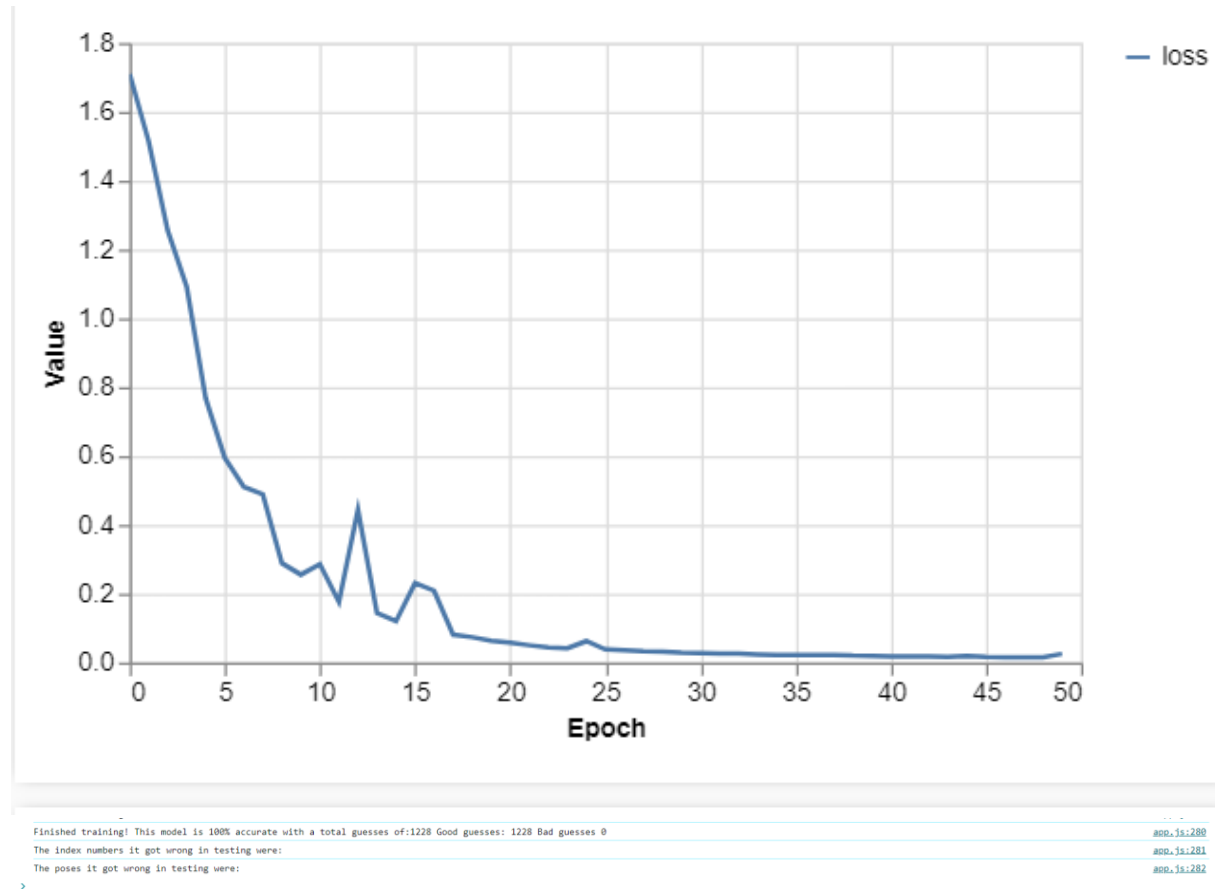
Finished training! This model is 100% accurate with a total guesses of:1228 Good guesses: 1228 Bad guesses 0
The index numbers it got wrong in testing were:
The poses it got wrong in testing were:

sgd.js:280

sgd.js:281

sgd.js:282

Run 3:



sgd.js:280

sgd.js:281

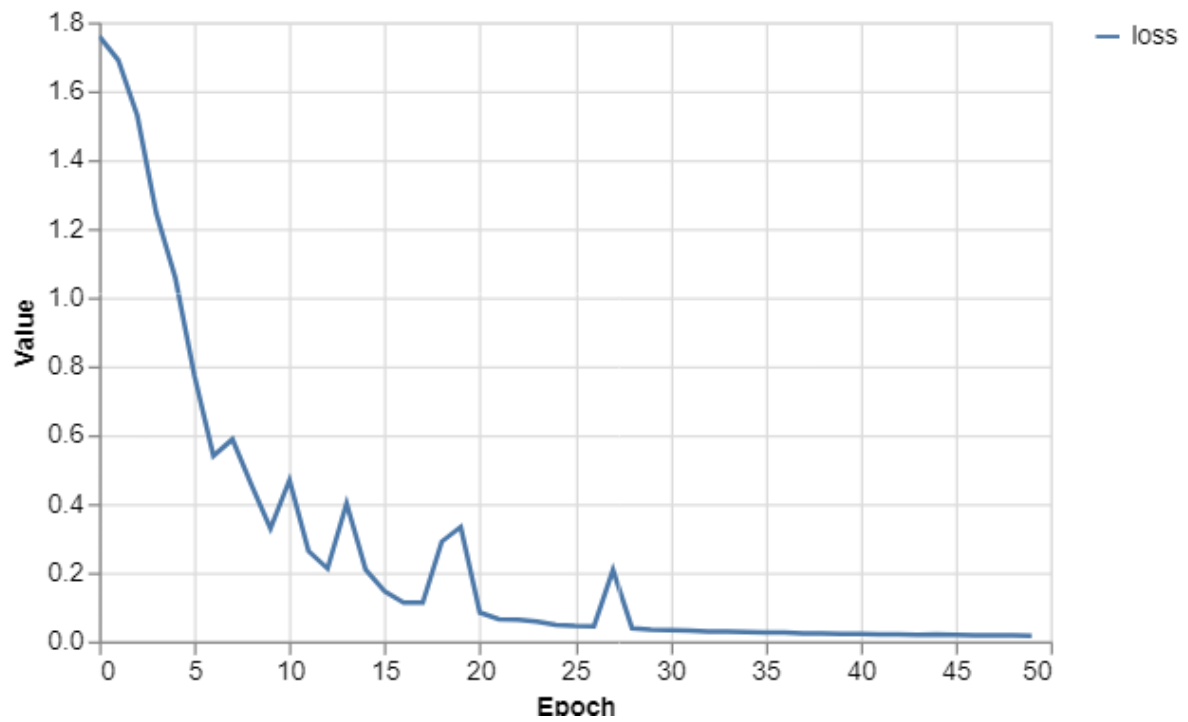
sgd.js:282

Cause for suspicious high accuracy: Accidentally copied the new training data for run-right in the test-data instead of the new test data. Fixed this. (-403 / +310)

NEW NEW RESULTS"

Run 1:

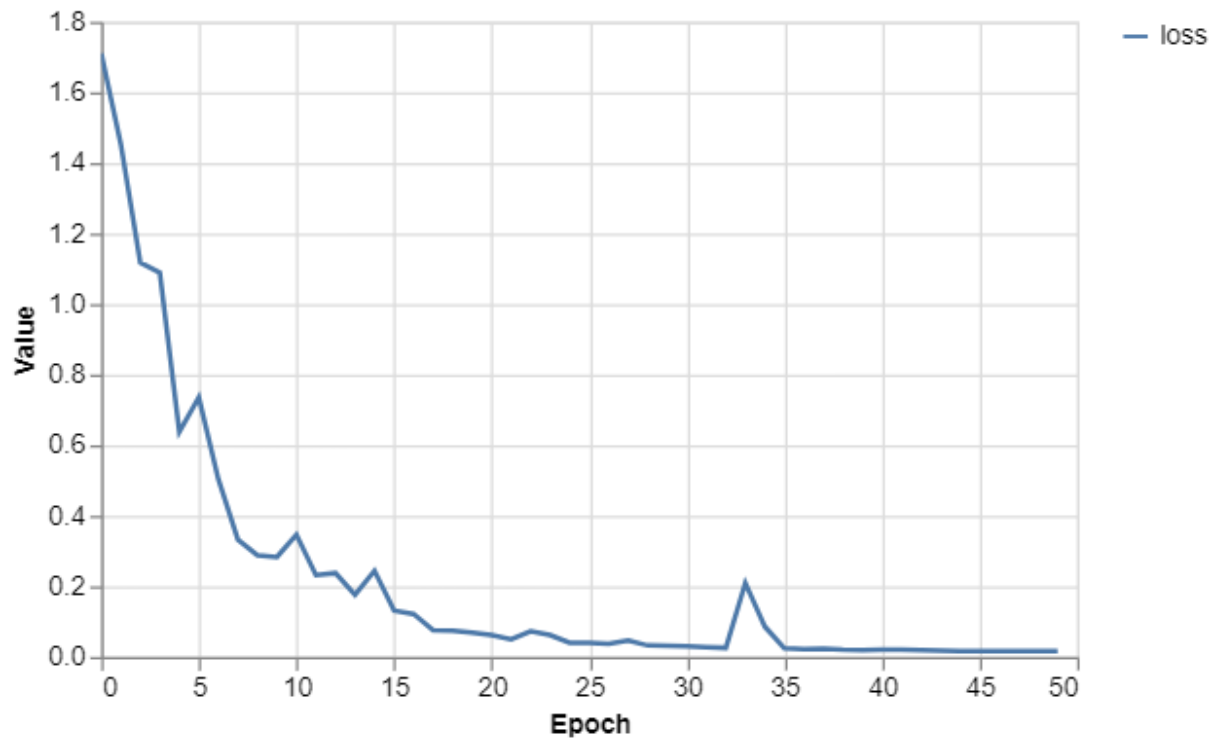
onEpochEnd



Finished training! This model is 100% accurate with a total guesses of:1135 Good guesses: 1135 Bad guesses 0 [app.js:288](#)
The index numbers it got wrong in testing were: [app.js:281](#)
The poses it got wrong in testing were: [app.js:282](#)

Run 2:

onEpochEnd



Finished training! This model is 100% accurate with a total guesses of:1135 Good guesses: 1135 Bad guesses 0

The index numbers it got wrong in testing were:

The poses it got wrong in testing were:

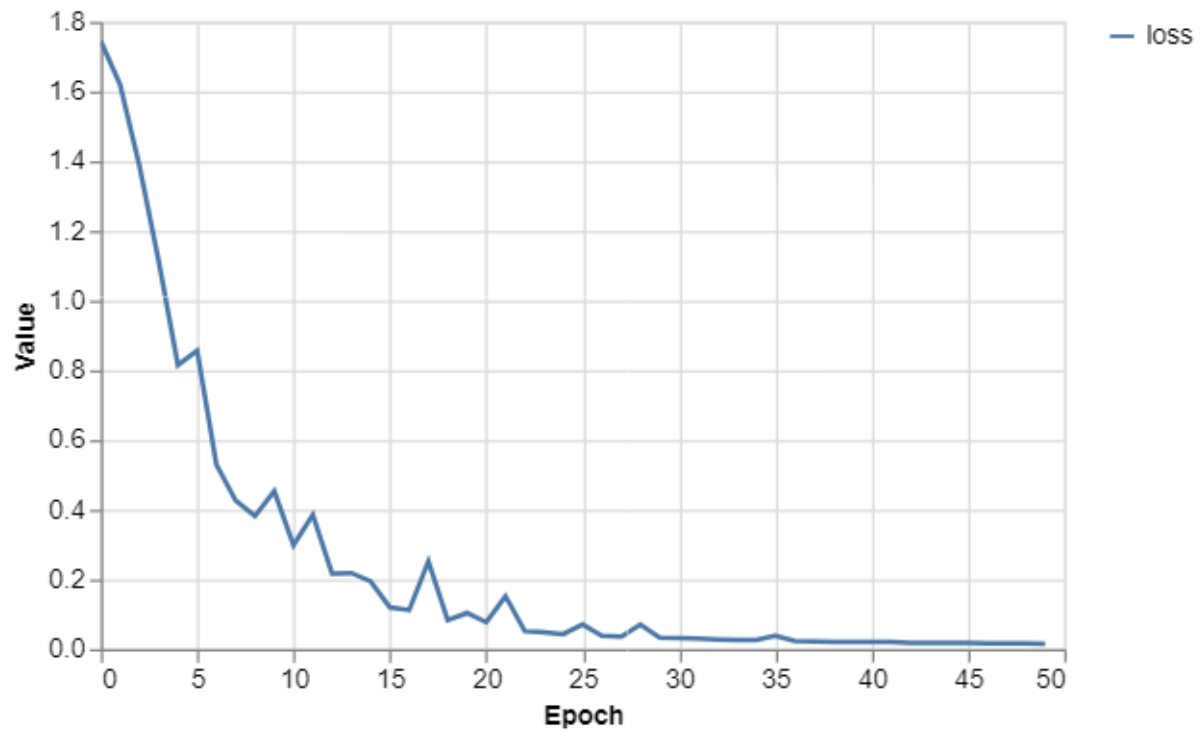
add, 3s:280

add, 3s:281

add, 3s:282

Run 3:

onEpochEnd



Finished training! This model is 100% accurate with a total guesses of:1135 Good guesses: 1135 Bad guesses 0

The index numbers it got wrong in testing were:

The poses it got wrong in testing were:

avg.js:280

avg.js:281

avg.js:282

Avg acc: 100%

Cause: I build the best machine learning thing to ever exist.

Real cause: Unknown.