|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model type | Train acc | Train loss | Valid acc | Valid loss |
| Baseline | acc: 0.4715 | loss: 1.4715 | val\_acc: 0.4690 | val\_loss: 1.4846 - |
| Random uniform | acc: 0.4791 | loss: 1.4595 | val\_acc: 0.4504 | val\_loss: 1.5345 |
| Ones | acc: 0.1000 | loss: 14.5063 - | val\_acc: 0.1000 | val\_loss: 14.5063 |
| Constant | acc: 0.0977 | loss: 2.3027 | val\_acc: 0.1000 | val\_loss: 2.3026 |
| Random Normal | acc: 0.4825 | loss: 1.4447 | val\_acc: 0.4710 | val\_loss: 1.4822 |
| Random Uniform | acc: 0.4734 | loss: 1.4664 | val\_acc: 0.4812 | val\_loss: 1.4687 |
| Truncated Normal | acc: 0.4793 | loss: 1.4531 - | val\_acc: 0.4789 | val\_loss: 1.4625 |
| Variance Scaling | acc: 0.4799 | loss: 1.4491 | val\_acc: 0.4783 | val\_loss: 1.4539 |
| Orthogonal | acc: 0.1000 | loss: 14.5063 | val\_acc: 0.1000 | val\_loss: 14.5063 |
| Identity | acc: 0.2895 | loss: 1.8736 | val\_acc: 0.2945 | val\_loss: 1.8621 |
| lecun\_uniform | acc: 0.4820 | loss: 1.4466 | val\_acc: 0.4845 | val\_loss: 1.4598 |
| Glorot\_normal | acc: 0.4797 | loss: 1.4547 | val\_acc: 0.4745 | val\_loss: 1.4823 |
| Glorot\_uniform | acc: 0.4722 | loss: 1.4641 | val\_acc: 0.4617 | val\_loss: 1.4965 |
| He\_normal | acc: 0.4725 | loss: 1.4695 | val\_acc: 0.4607 | val\_loss: 1.5130 |
| Lecun\_normal | acc: 0.4802 | loss: 1.4545 | val\_acc: 0.4737 | val\_loss: 1.4610 |
| He\_uniform | acc: 0.4783 | loss: 1.4598 | val\_acc: 0.4685 | val\_loss: 1.4864 - |

**Inference :-**

The best Training accuracy and validation accuracy is of Random Normal so it is the best model.