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J040

BTech Data Science

1. Classification on CIFAR10 data

loss: 1.544

acc: 0.5644

val\_loss: 1.5133

val\_acc: 0.5023

1. Taking initializer as Random uniform and zero

loss: 1.5007

acc: 0.5147

val\_loss: 1.5647

val\_acc: 0.4997

1. Taking weights as ones

loss: 14.5063

acc: 0.1000

val\_loss: 14.5063

val\_acc: 0.1000

1. Initializing with constant values

loss: 2.3027

acc: 0.0974

val\_loss: 2.3026

val\_acc: 0.1000

1. Random normal

loss: 1.4497

acc: 0.4819

val\_loss: 1.5254

val\_acc: 0.4512

1. Random uniform

loss: 1.4608

acc: 0.4735

val\_loss: 1.4822

val\_acc: 0.4768

1. Truncated normal

loss: 1.4497

acc: 0.4813

val\_loss: 1.4792

val\_acc: 0.4711

1. Variance scaling

loss: 1.4506

acc: 0.4816

val\_loss: 1.4548

val\_acc: 0.4789

1. Orthogonal

loss: 1.4846

acc: 0.4686

val\_loss: 1.5301

val\_acc: 0.4530

1. Identity

loss: 1.8679

acc: 0.3062

val\_loss: 1.8683

val\_acc: 0.3088

1. Lecun uniform

loss: 1.5498

acc: 0.5016

val\_loss: 1.5556

val\_acc: 0.5313

1. Glorot normal

loss: 1.4020

acc: 0.4092

val\_loss: 1.4996

val\_acc: 0.5045

1. Glorot uniform

loss: 1.4577

acc: 0.4712

val\_loss: 1.5503

val\_acc: 0.5057

1. He normal

loss: 1.4670

acc: 0.4799

val\_loss: 1.5065

val\_acc: 0.5297

1. Lecun normal

loss: 1.4544

acc: 0.4799

val\_loss: 1.5690

val\_acc: 0.5004

1. He uniform

loss: 1.4535

acc: 0.4872

val\_loss: 1.4493

val\_acc: 0.5002