|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Dataset** | **Models** | **Scheme** | **Versions** | | | |
| **V1** | **V2** | **V3** | **V4** |
| **CIFAR-10** | **VGG** | **Standalone** | 0.69 | 0.75 | 0.71 | 0.74 |
| **Clustered-FL** | 0.78 | 0.81 | 0.80 | 0.81 |
| **Basic-Common** | 0.71 | 0.74 | 0.72 | 0.72 |
| **Clustered-Common** | 0.76 | 0.80 | 0.80 | 0.79 |
| **Max-Common** | 0.77 | 0.84 | 0.86 | 0.84 |
| **ResNet** | **Standalone** | 0.68 | 0.70 | 0.69 | 0.71 |
| **Clustered-FL** | 0.78 | 0.76 | 0.78 | 0.76 |
| **Basic-Common** | 0.72 | 0.72 | 0.70 | 0.69 |
| **Clustered-Common** | 0.79 | 0.77 | 0.79 | 0.78 |
| **Max-Common** | 0.78 | 0.79 | 0.79 | 0.80 |
| **CINIC-10** | **VGG** | **Standalone** | 0.63 | 0.67 | 0.64 | 0.66 |
| **Clustered-FL** | 0.71 | 0.74 | 0.73 | 0.73 |
| **Basic-Common** | 0.61 | 0.66 | 0.64 | 0.73 |
| **Clustered-Common** | 0.69 | 0.73 | 0.74 | 0.72 |
| **Max-Common** | 0.68 | 0.78 | 0.79 | 0.79 |
| **ResNet** | **Standalone** | 0.62 | 0.65 | 0.64 | 0.64 |
| **Clustered-FL** | 0.70 | 0.71 | 0.72 | 0.72 |
| **Basic-Common** | 0.65 | 0.64 | 0.65 | 0.65 |
| **Clustered-Common** | 0.71 | 0.71 | 0.73 | 0.72 |
| **Max-Common** | 0.72 | 0.73 | 0.73 | 0.73 |
| **AG NEWS** | **CharCNN** | **Standalone** | 0.26 | 0.69 | 0.71 | 0.76 |
| **Clustered-FL** | 0.25 | 0.83 | 0.74 | 0.75 |
| **Basic-Common** | 0.80 | 0.86 | 0.85 | 0.83 |
| **Clustered-Common** | 0.80 | 0.87 | 0.82 | 0.83 |
| **Max-Common** | 0.66 | 0.87 | 0.85 | 0.86 |
| **VDCNN** | **Standalone** | 0.82 | 0.82 | 0.80 | 0.83 |
| **Clustered-FL** | 0.86 | 0.84 | 0.84 | 0.83 |
| **Basic-Common** | 0.83 | 0.81 | 0.73 | 0.83 |
| **Clustered-Common** | 0.85 | 0.83 | 0.86 | 0.83 |
| **Max-Common** | 0.86 | 0.84 | 0.82 | 0.87 |
| **Speech Commands** | **VGG** | **Standalone** | 0.92 | 0.94 | 0.91 | 0.92 |
| **Clustered-FL** | 0.95 | 0.95 | 0.97 | 0.96 |
| **Basic-Common** | 0.92 | 0.94 | 0.91 | 0.91 |
| **Clustered-Common** | 0.94 | 0.96 | 0.96 | 0.96 |
| **Max-Common** | 0.93 | 0.98 | 0.98 | 0.98 |
| **ResNet** | **Standalone** | 0.91 | 0.92 | 0.87 | 0.90 |
| **Clustered-FL** | 0.93 | 0.95 | 0.96 | 0.95 |
| **Basic-Common** | 0.90 | 0.91 | 0.92 | 0.93 |
| **Clustered-Common** | 0.96 | 0.94 | 0.94 | 0.93 |
| **Max-Common** | 0.94 | 0.96 | 0.96 | 0.94 |