|  |  |  |  |
| --- | --- | --- | --- |
| Dataset 1 (5 classes) | | | |
| Metrics | ResNet18 | ResNet34 | MobilenetV2 |
| Precision Macro | 0.72 | 0.71 | 0.74 |
| Precision Micro | 0.73 | 0.71 | 0.74 |
| Recall Macro | 0.72 | 0.71 | 0.73 |
| Recall Micro | 0.73 | 0.71 | 0.74 |
| F1-score Macro | 0.72 | 0.71 | 0.74 |
| F1-score Micro | 0.73 | 0.71 | 0.74 |

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| Dataset 2 (15 classes) | | | | | |
| Metrics | ResNet18 | ResNet18 with TL | MobilenetV2 | MobilenetV2 with TL | ResNet34 |
| Precision Macro | 0.40 | 0.74 | 0.37 | 0.70 | 0.39 |
| Precision Micro | 0.39 | 0.73 | 0.37 | 0.68 | 0.38 |
| Recall Macro | 0.38 | 0.73 | 0.36 | 0.68 | 0.37 |
| Recall Micro | 0.39 | 0.73 | 0.37 | 0.68 | 0.38 |
| F1-score Macro | 0.39 | 0.73 | 0.36 | 0.68 | 0.38 |
| F1-score Micro | 0.39 | 0.73 | 0.37 | 0.68 | 0.38 |

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| Dataset3 | | | | |
| Metrics | ResNet18 | ResNet34 | MobileNetV2 | MobilenetV2 with TL |
| Precision Macro | 0.37 | 0.48 | 0.35 | 0.82 |
| Precision Micro | 0.36 | 0.46 | 0.37 | 0.82 |
| Recall Macro | 0.36 | 0.46 | 0.37 | 0.82 |
| Recall Micro | 0.36 | 0.46 | 0.37 | 0.82 |
| F1-score Macro | 0.36 | 0.46 | 0.36 | 0.82 |
| F1-score Micro | 0.36 | 0.46 | 0.37 | 0.82 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | Model | Precision Macro | Precision Micro | Recall Macro | Recall Micro | F1-score Macro | F1-score Micro |
| Dataset1 | Resnet 18 | 0.72 | 0.73 | 0.72 | 0.73 | 0.72 | 0.73 |
| Resnet 34 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| MobilenetV2 | 0.74 | 0.74 | 0.73 | 0.74 | 0.74 | 0.74 |
| Dataset2 | Resnet 18 | 0.40 | 0.39 | 0.38 | 0.39 | 0.39 | 0.39 |
| Resnet 18 with TL | 0.74 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| MobilenetV2 | 0.37 | 0.37 | 0.36 | 0.37 | 0.36 | 0.37 |
| MobilenetV2 with TL | 0.70 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |
| Resnet 34 | 0.39 | 0.38 | 0.37 | 0.38 | 0.38 | 0.38 |
| Dataset3 | Resnet 18 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| MobilenetV2 | 0.35 | 0.37 | 0.37 | 0.37 | 0.36 | 0.37 |
| MobilenetV2 with TL | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 |
| Resnet 34 | 0.48 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 |