|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Models** | **Pretrain accuracy (imagenet)** | **Accuracy**  **(stanford car)** | **Fold 0** | **Fold 1** | **Fold 2** | **Fold 3** | **Fold 4** | **Size** |
| ResNeXt101 | 0.787 | Val-acc | 0.8999 | 0.9196 | 0.9184 | 0.9214 | 0.9300 | 179 MB |
| Val-acc 12 crops | 0.9239 | 0.9349 | 0.9269 | 0.9269 | 0.9337 |
| Test-acc 12 crops | 0.9226 | 0.9304 | 0.9271 | 0.9236 | 0.9342 |
| Test-acc ensemble 5 folds | **0.9413** | | | | |
| DenseNet201 | 0.773 | Val-acc | 0.9073 | 0.9196 | 0.9104 | 0.9208 | 0.9232 | 83 MB |
| Val-acc 12 crops | 0.9177 | 0.9263 | 0.9171 | 0.9294 | 0.9330 |
| Test-acc 12 crops | 0.9224 | 0.9295 | 0.9169 | 0.9246 | 0.9245 |
| Test-acc ensemble 5 folds | 0.9396 | | | | |
| ResNeXt50 | 0.777 | Val-acc | 0.9073 | 0.9147 | 0.9190 | 0.9122 | 0.9128 | 102MB |
| Val-acc 12 crops | 0.9165 | 0.9319 | 0.9263 | 0.9257 | 0.9275 |
| Test-acc 12 crops | 0.9195 | 0.9289 | 0.9231 | 0.9248 | 0.9254 |
| Test-acc ensemble 5 folds | 0.9391 | | | | |
| NASNetLarge | 0.825 | Val-acc | 0.8999 | 0.9085 | 0.9091 | 0.9104 | 0.9214 | 358 MB |
| Val-acc 12 crops | 0.9134 | 0.9202 | 0.9171 | 0.9257 | 0.9281 |
| Test-acc 12 crops | 0.9241 | 0.9195 | 0.9197 | 0.9235 | 0.9275 |
| Test-acc ensemble 5 folds | 0.9389 | | | | |
| EfficientNetB3 | 0.811 | Val-acc | 0.9067 | 0.9085 | 0.9141 | 0.9153 | 0.9214 | 51 MB |
| Val-acc 12 crops | 0.9110 | 0.9122 | 0.9171 | 0.9282 | 0.9312 |
| Test-acc 12 crops | 0.9239 | 0.9203 | 0.9209 | 0.9209 | 0.9277 |
| Test-acc ensemble 5 folds | 0.9352 | | | | |
| InceptionV3 | 0.779 | Val-acc | 0.9055 | 0.9091 | 0.9098 | 0.9184 | 0.9177 | 97MB |
| Val-acc 12 crops | 0.9159 | 0.9190 | 0.9196 | 0.9349 | 0.9287 |
| Test-acc 12 crops | 0.9218 | 0.9210 | 0.9132 | 0.9266 | 0.9197 |
| Test-acc ensemble 5 folds | 0.9347 | | | | |
| ResNet152V2 | 0.780 | Val-acc | 0.8858 | 0.9079 | 0.8920 | 0.8821 | 0.9036 | 243 MB |
| Val-acc 12 crops | 0.9128 | 0.9257 | 0.9208 | 0.9141 | 0.9244 |
| Test-acc 12 crops | 0.9179 | 0.9219 | 0.9151 | 0.9108 | 0.9205 |
| Test-acc ensemble 5 folds | 0.9342 | | | | |
| EfficientNetB2 | 0.798 | Val-acc | 0.9036 | 0.9018 | 0.9153 | 0.9012 | 0.9097 | 38 MB |
| Val-acc 12 crops | 0.9177 | 0.9147 | 0.9184 | 0.9153 | 0.9177 |
| Test-acc 12 crops | 0.9204 | 0.9217 | 0.9202 | 0.9126 | 0.9149 |
| Test-acc ensemble 5 folds | 0.9325 | | | | |
| Xception | 0.790 | Val-acc | 0.8877 | 0.8956 | 0.9018 | 0.8969 | 0.9097 | 101 MB |
| Val-acc 12 crops | 0.9085 | 0.9110 | 0.9110 | 0.9159 | 0.9232 |
| Test-acc 12 crops | 0.9136 | 0.9185 | 0.9154 | 0.9110 | 0.9171 |
| Test-acc ensemble 5 folds | 0.9312 | | | | |
| MobileNetV2 | 0.713 | Val-acc | 0.8815 | 0.9006 | 0.8938 | 0.9024 | 0.9048 | **15 MB** |
| Val-acc 12 crops | 0.8938 | 0.9122 | 0.9079 | 0.9184 | 0.9214 |
| Test-acc 12 crops | 0.9024 | 0.9141 | 0.9023 | 0.9102 | 0.9134 |
| Test-acc ensemble 5 folds | 0.9294 | | | | |
| InceptionResNetV2 | 0.803 | Val-acc | 0.8877 | 0.8926 | 0.8760 | 0.8883 | 0.9115 | 225 MB |
| Val-acc 12 crops | 0.9036 | 0.9110 | 0.8969 | 0.9177 | 0.9251 |
| Test-acc 12 crops | 0.9121 | 0.9126 | 0.8985 | 0.9113 | 0.9194 |
| Test-acc ensemble 5 folds | 0.9280 | | | | |
| EfficientNetB1 | 0.788 | Val-acc | 0.8956 | 0.9030 | 0.9036 | 0.9024 | 0.9023 | 33 MB |
| Val-acc 12 crops | 0.9006 | 0.9116 | 0.9141 | 0.9141 | 0.9165 |
| Test-acc 12 crops | 0.9105 | 0.9151 | 0.9118 | 0.9146 | 0.9152 |
| Test-acc ensemble 5 folds | 0.9276 | | | | |
| EfficientNetB0 | 0.763 | Val-acc | 0.8834 | 0.8987 | 0.8920 | 0.8735 | 0.8907 | 23 MB |
| Val-acc 12 crops | 0.8907 | 0.9122 | 0.9030 | 0.8932 | 0.9165 |
| Test-acc 12 crops | 0.9023 | 0.9070 | 0.9040 | 0.8935 | 0.9054 |
| Test-acc ensemble 5 folds | 0.9182 | | | | |