

Output predictions of mobile_net_v2:

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+-----+-----+
|label|prediction|
+-----+-----+
|frog |{n02356798, fox_squirrel, 7.472974}|
|bird |{n02002724, black_stork, 8.031031}|
|frog |{n01744401, rock_python, 9.125908}|
|deer |{n02356798, fox_squirrel, 7.5615826}|
|frog |{n02457408, three-toed_sloth, 8.139732}|
|frog |{n01756291, sidewinder, 6.9101005}|
|bird |{n02002724, black_stork, 6.9296956}|
|frog |{n03764736, milk_can, 9.065401}|
|frog |{n01688243, frilled_lizard, 9.575037}|
|frog |{n01744401, rock_python, 7.9928713}|
|deer |{n02422106, hartebeest, 9.47989}|
|frog |{n02119789, kit_fox, 10.59206}|
|bird |{n02606052, rock_beauty, 6.910691}|
|frog |{n02325366, wood_rabbit, 6.730158}|
|frog |{n02356798, fox_squirrel, 7.484116}|
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only showing top 15 rows

Output predictions of vgg19:

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+-----+-----+
|label|prediction|
+-----+-----+
|frog |{n02013706, limpkin, 6.9151354}|
|bird |{n02002724, black_stork, 7.367693}|
|frog |{n04579145, whiskey_jug, 5.543442}|
|deer |{n02091635, otterhound, 7.565753}|
|frog |{n02457408, three-toed_sloth, 6.799}|
|frog |{n02356798, fox_squirrel, 6.2871785}|
|bird |{n02013706, limpkin, 4.2486725}|
|frog |{n01688243, frilled_lizard, 8.424452}|
|frog |{n02356798, fox_squirrel, 6.575295}|
|frog |{n03903868, pedestal, 6.633815}|
|deer |{n02356798, fox_squirrel, 7.42445}|
|frog |{n01688243, frilled_lizard, 7.2758336}|
|bird |{n06596364, comic_book, 4.652661}|
|frog |{n02356798, fox_squirrel, 7.011245}|
|frog |{n02356798, fox_squirrel, 7.0600677}|
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only showing top 15 rows

Output predictions of resnet50:

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+-----+-----+
|label|prediction|
+-----+-----+
|frog |{n02130308, cheetah, 10.426459}|
|bird |{n01443537, goldfish, 6.834964}|
|frog |{n01496331, electric_ray, 7.9641924}|
|deer |{n04525038, velvet, 7.9794655}|
|frog |{n01688243, frilled_lizard, 7.3185043}|
|frog |{n01496331, electric_ray, 7.7286572}|
|bird |{n02356798, fox_squirrel, 5.2075057}|
|frog |{n02356798, fox_squirrel, 8.57772}|
|frog |{n01644900, tailed_frog, 7.5442767}|
|frog |{n01644900, tailed_frog, 10.755041}|
|deer |{n02115913, dhole, 10.55313}|
|frog |{n02129165, lion, 9.034145}|
|bird |{n02356798, fox_squirrel, 10.846921}|
|frog |{n02356798, fox_squirrel, 9.478152}|
|frog |{n02356798, fox_squirrel, 8.230193}|
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only showing top 15 rows

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Note: From my observations of the above few outputs, I feel resnet50 is a better model.