Model	Epoch	Batch size	Steps	input size	layers														Accuracy	time/epoch	Split	Classes
CNN	60	64	712	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense164	50.42	104	80:20:00	164
CNN	40	64	712	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense164	48.62	104	80:20:00	164
CNN	20	64	712	64X64X3	Conv2D32re	MaxPool	Conv2D64	MaxPool	Conv2D64re	MaxPool	Flatten	Dense256	Dense164						45.79	85	80:20:00	164
ResNet	20	64	500	64X64X3	ResNet50	Dense2048t	Dense1024t	Dense1024t	Dense512ta	Dense512ta	Dense256ta	Dense256ta	Dense164softmax						25.06	73	80:20:00	164
VGG19	20	64	500	64X64X3	VGG19	Dense2048t	Dense1024t	Dense1024t	Dense512ta	Dense512ta	Dense256ta	Dense256ta	Dense164softmax						20.12	68	80:20:00	164

64x64x3   64x64x32   64x64x64   21x21x64   21x21x64   21x21x64   7x7x64   7x7x64   7x7x128   2x2x128   512   256   128   164

ConvNet 32   ConvNet 64   MaxPool   ConvNet 64   ConvNet 64   MaxPool   ConvNet 64   ConvNet 128   MaxPool   flatten   dense   dense   dense

Accuracy and time/epoch
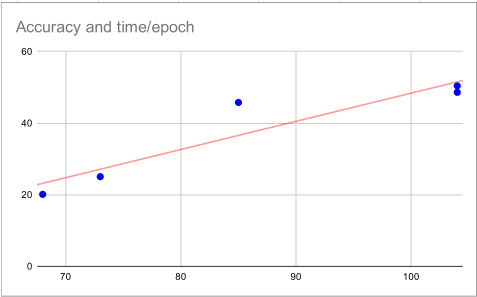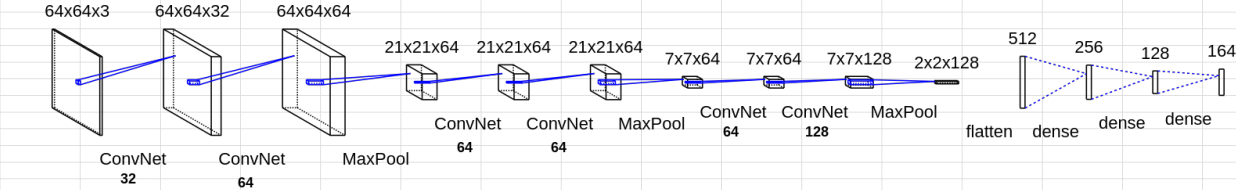
Model	Epoch	Batch size	Steps	input size	layers														Accuracy	MaleOnlyAccuracy	FemaleOnlyAcc	Split	Classes
CNN	20	64	200	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense10	71.36	69.8	72.4	70:30:00	10
CNN	20	64	200	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense20	61.12	60.16	62.18	70:30:00	20
CNN	30	64	200	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense40	54.61	53.84	54.92	70:30:00	40
CNN	50	64	500	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense10	51.2	50.78		70:30:00	80
CNN	60	64	712	64X64X3	Conv2D32re	Conv2D64	MaxPool	Conv2D64	Conv2D64re	MaxPool	Conv2D64	Conv2D128	Maxpool	Conv2D128	Flatten	Dense256	Dense128	Dense164	50.42			70:30:00	164

Accuracy vs No of classes
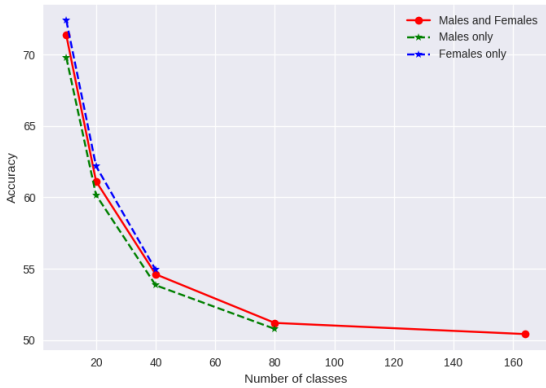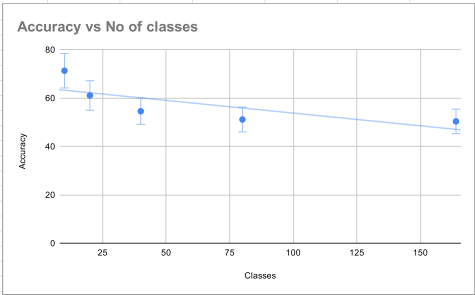
Model	Epoch	Batch size	Steps	input size	layers					Accuracy	Split	Classes		
ResNet	10	64	100	64X64X3	ResNet50	Dense512ta	Dense256ta	Dense128ta	Dense10softmax	58.97	70:30:00	10		
ResNet	10	64	100	64X64X3	ResNet50	Dense512ta	Dense256ta	Dense128ta	Dense20softmax	47.87	70:30:00	20		
ResNet	10	64	100	64X64X3	ResNet50	Dense512ta	Dense256ta	Dense128ta	Dense40softmax	38.01	70:30:00	40		
ResNet	10	64	161	64X64X3	ResNet50	Dense512ta	Dense256ta	Dense128ta	Dense80softmax	27.92	70:30:00	80		
ResNet	10	64	500	64X64X63	ResNet50	Dense512ta	Dense256ta	Dense128ta	Dense164softmax	25.06	70:30:00	164		

Accuracy v/s No. of classes

No. of classes v/s Accuracy
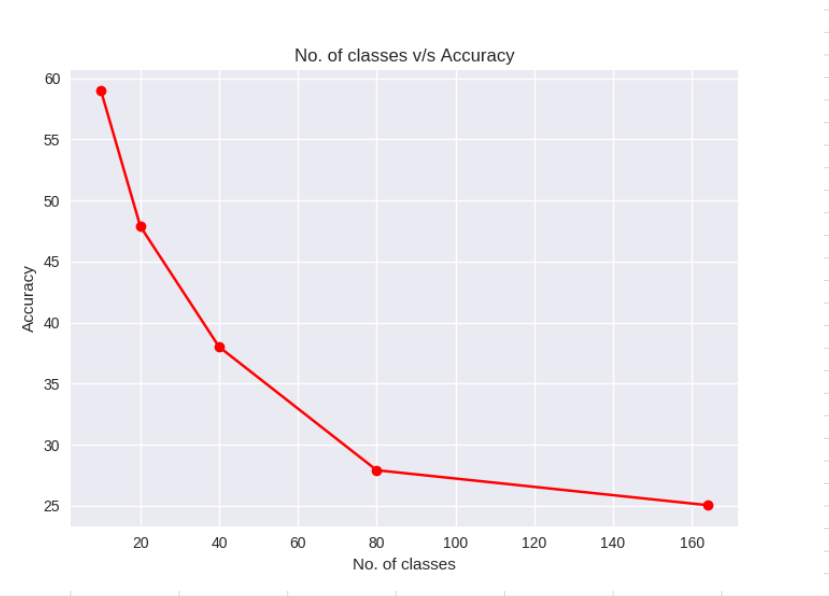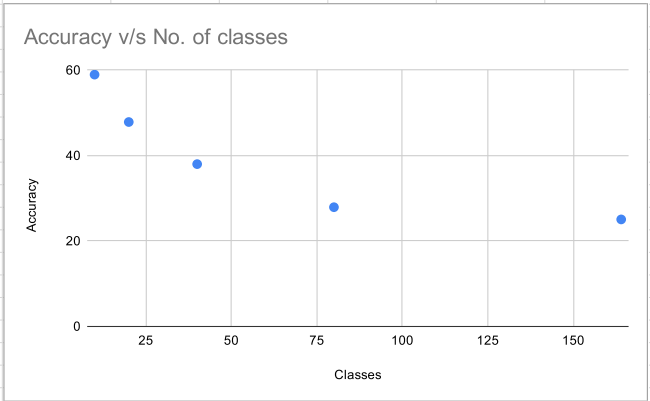
Model	Epoch	Batch size	Steps	input size	layers								Accuracy	Split	Classes
VGG19	10	64	100	64X64X3	VGG19	Dense512ta	Dense256ta	Dense128ta	Dense10softmax				53.03	70:30:00	10
VGG19	10	64	100	64X64X3	VGG19	Dense512ta	Dense256ta	Dense128ta	Dense20softmax				36.23	70:30:00	20
VGG19	10	64	100	64X64X3	VGG19	Dense512ta	Dense256ta	Dense128ta	Dense40softmax				27.25	70:30:00	40
VGG19	10	64	161	64X64X3	VGG19	Dense512ta	Dense256ta	Dense128ta	Dense80softmax				23.44	70:30:00	80
VGG19	20	64	500	64X64X3	VGG19	Dense2048t	Dense1024t	Dense1024t	Dense512ta	Dense512ta	Dense256ta	Dense256ta Dense164so	20.12	70:30:00	164

Accuracy v/s No. of classes

No. of classes v/s Accuracy