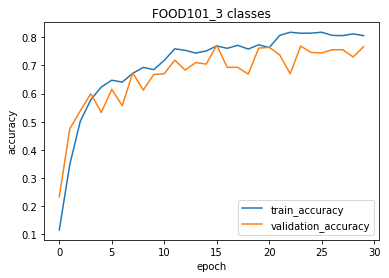
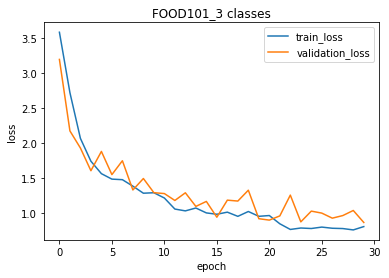
16/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=SGD(lr=0.005, momentum=0.9)

30 epochs



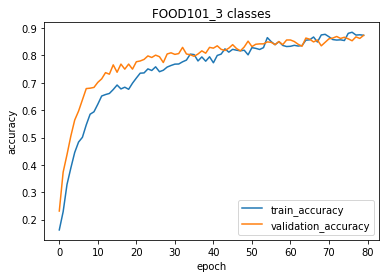


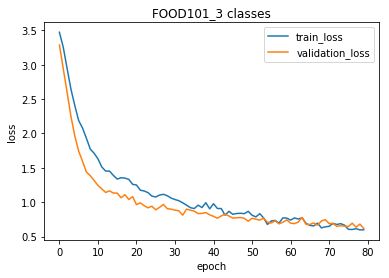
16/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.001**, momentum=0.9)

**80 epochs**



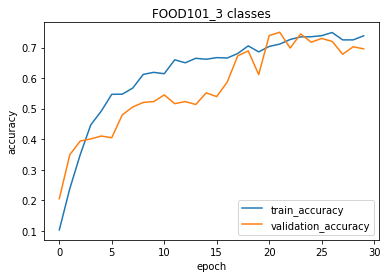


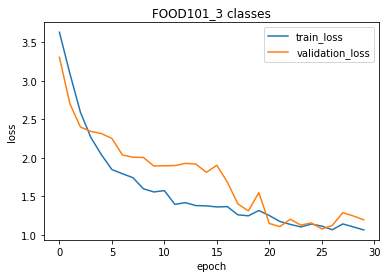
16/06/2019 Food classification - **MobileNetv2** (88 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.001**, momentum=0.9)

**30 epochs**



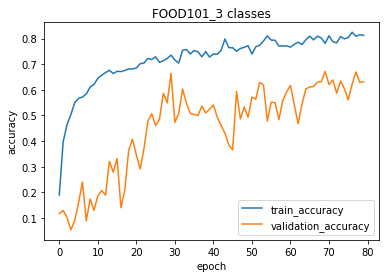


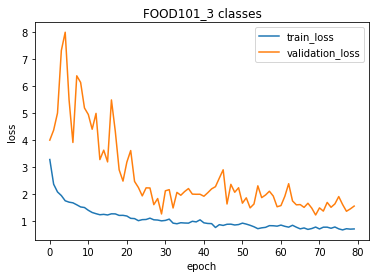
16/06/2019 Food classification - **MobileNetv2** (88 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.005**, momentum=0.9)

**80 epochs**



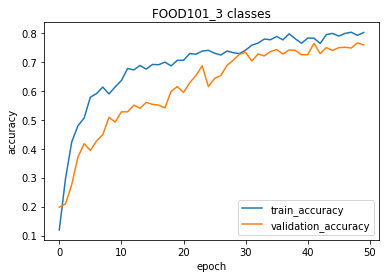


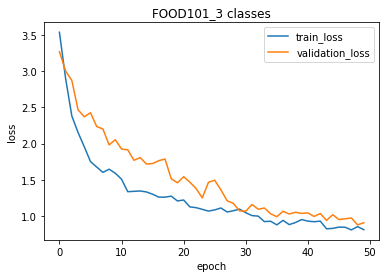
17/06/2019 Food classification - **MobileNetv2** (88 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.01**, momentum=0.1)

**50 epochs**

****

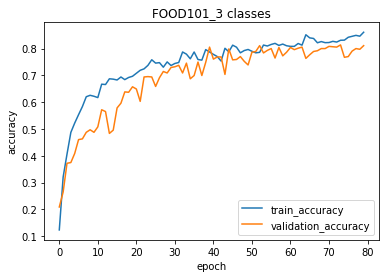
****

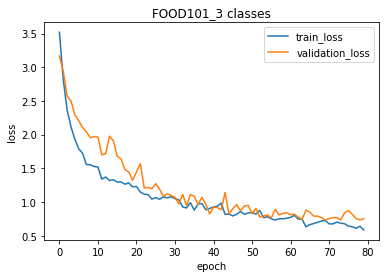
17/06/2019 Food classification - **MobileNetv2** (88 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.01**, momentum=0.1)

**80 epochs**

****

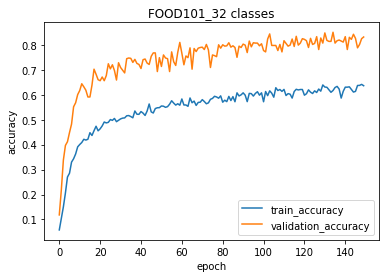
****

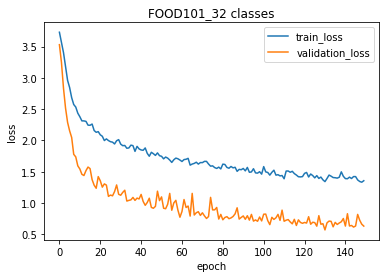
22/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.001**, momentum=0.9)

**150 epochs**

****

****

**train\_datagen = ImageDataGenerator(rescale=1./255,**

**shear\_range=45,**

**zoom\_range=0.7,**

**fill\_mode='constant',**

**rotation\_range=180,**

**width\_shift\_range=.5,**

**height\_shift\_range=.5,**

**horizontal\_flip=True,**

**vertical\_flip=True,**

**channel\_shift\_range=100.,**

**brightness\_range=[0.5,1.0],**

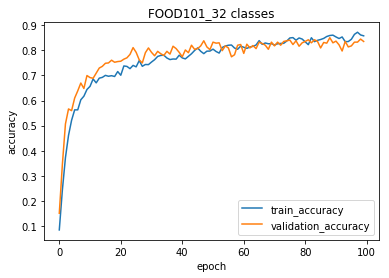
**zca\_whitening=True)**

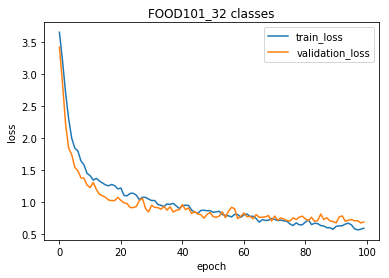
22/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.001**, momentum=0.9)

**100 epochs**

****

****

**train\_datagen = ImageDataGenerator(rescale=1./255,**

**shear\_range=25, # 5-th from 45 to 25**

**zoom\_range=0.2, # 5-th from 0.7 to 0.2**

**fill\_mode='constant',**

**rotation\_range=90, #3-rd itteration from 180 to 90**

**width\_shift\_range=.25, # 5-th from 0.5 to 0.25**

**height\_shift\_range=.25, # 5-th from 0.5 to 0.25**

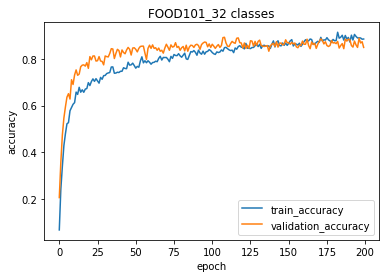
**horizontal\_flip=True)**

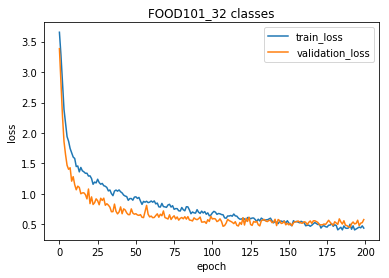
23/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.001**, momentum=0.9)

**200 epochs**

****

****

**train\_datagen = ImageDataGenerator(rescale=1./255,**

**shear\_range=30, # 6-th from 25 to 30**

**zoom\_range=0.3, # 6-th from 0.2 to 0.3**

**fill\_mode='constant',**

**rotation\_range=180, #6-rd itteration from 90 to 180**

**width\_shift\_range=.25, # 5-th from 0.5 to 0.25**

**height\_shift\_range=.25, # 5-th from 0.5 to 0.25**

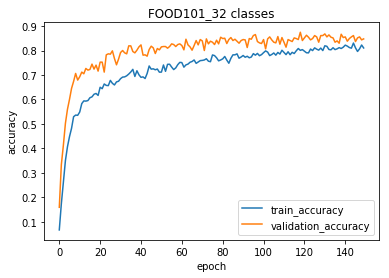
**horizontal\_flip=True)**

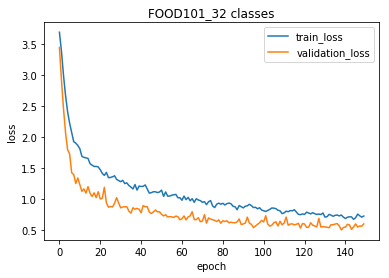
23/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=SGD(**lr=0.001**, momentum=0.9)

**150 epochs**

****

****

**x = Dropout(0.2)(x) # 7-th Without Dropout**

**zoom\_range=0.5, # 7-th from 0.3 to 0.5**

25/06/2019 Food classification - **InceptionV3** (152 layers)

32 classes (750/250 train/test)

optimizer=RMSprop(lr=0.0001)

Frozen layers

