In agreement to the class discussion, what kind of labelling error is generally the worst case for the accuracy of the generalization of the model? ERR1 = Duplications with same labels, EER2 = Duplications with different labels
Scegli un'alternativa: ERR1 is equalt to EER2 by definition ERR2 is the worst case ERR1 is the worst case ERR1 is roughly equalt to EER2 in general
Feedback La risposta corretta è: ERR2 is the worst case
According to the discussion presented in class about the data visualization, and considering the following steps of the design workflow 1) Get Data, 2) Clean Manipulate Data, 3) Train models, 4) Test Data, 5) Improve the design, which are the main step/steps where data visualization should be involved?
Scegli un'alternativa: #2 and #5 #4 #3 and #5
C #5 #1
Feedback La risposta corretta è: #2 and #5
According to the class discussion, the convolution/correlation operations are of foundamental relevance for many deep learning models. What is the characteristic of the autocorrelation map produced by a generic image?
Scegli un'alternativa: It is not possible to create an autocorrelation map from one single images, two different images are needed None of the other options A flat and noisy central plateau An evident spike at the center with a very well defined maximum
Feedback La risposta corretta è: An evident spike at the center with a very well defined maximum
La risposta corretta e. An evident spike at the Center With a very well delined Maximum

Considering the class discussion about feature preprocessing/engineering, alogarithmic scaling to one feature values is typically applied in a case of	
Scegli un'alternativa: A very large range in the values (>0)	
A very large range in the values (>0)	
input coming from the preprocessing of long texts	
Negative values	
Outliers presence	
reature values are integer numbers	
Feedback	
La risposta corretta è: A very large range in the values (>0)	
According to the notation used in class, which kind of a model is described by the	
equation $f(x) = sgn(w x + b)$	
Scegli un'alternativa:	
• Liner regressor	
Soft-max neuron	
Liner classifier	
Sigmoidal neuron	
Gradient descent formula	
Gradient descent formula	
Number of the moder's parameters	
Feedback	
La risposta corretta è: Liner classifier	
A tensor processing unit (TPU) is	
Scegli un'alternativa:	
A part of a model of the Convolutional Neural Network used to process dedicated	
tensorial activation functions in the neurons	
An internal unit of the Arm processor architecture introduced to support 8-bit fixed-point matrix multiplication for deep learning models	
An Al accelerator application-specific integrated circuit (ASIC) and the related board	
developed specifically for neural network machine learning	
None of the other options	

Feedback
La risposta corretta è: An Al accelerator application-specific integrated circuit (ASIC) and the related board developed specifically for neural network machine learning
ou have a feature in your dataset with the following values $F2 = [-13\ 0\ 1\ 2\ 4\ 128]$, which normalization will give you the following $F2_norm = [0\ 0\ 1\ 2\ 4\ 10]$
Scegli un'alternativa: Z-score Min-MAX Clipping A different type of normalization
Feedback
La risposta corretta è: Clipping
You have a feature in your dataset with the following values $F2 = [-13\ 0\ 1\ 2\ 4\ 128]$, which normalization will give you the following $F2_norm = [0\ 0\ 1\ 2\ 4\ 10]$
Scegli un'alternativa: Z-score Min-MAX Clipping A different type of normalization
Feedback
La risposta corretta è: Clipping
The design of intelligent systems for Industry 4.0 applications should be compliant to the following main design principles.
Scegli un'alternativa: Interoperability, Information transparency, Improved technical assistance, Decentralized decisions
Interoperability, Information transparency, Improved technical assistance Interoperability, Information transparency, Improved technical assistance, Wireless connectivity
Interoperability, Information transparency, Decentralized decisions
Feedback

La risposta corretta è: Interoperability, Information transparency, Improved technical assistance, Decentralized decisions

Machine Learning on CPUs offer the following advantages
Scegli un'alternativa:
Ease of portability and use-case flexibility, Market availability at different performance
and prices
Ease of portability and use-case flexibility, Market availability at different performance
and prices, Deployment across a wide spectrum of devices
Ease of portability and use-case flexibility, Deployment across a wide spectrum of devices
Market availability at different performance and prices, Deployment across a wide
spectrum of devices
Feedback
La risposta corretta è: Ease of portability and use-case flexibility, Market availability at different performance and prices, Deployment across a wide spectrum of devices
The GoogLeNet deep learning pretrained model discussed during the course is model for
Scegli un'alternativa:
• Post processing
None of the other options
Image Enhancing
Image classification
Segmentation
Feedback
La risposta corretta è: Image classification