TIES 4911 (2024): Guidelines for the Demo 2

Your surname:
Your first name:

Form the groups of 3 persons…

Demo Group members:
-
-
-

Demo-2_Task-1:

a) Present the results of your Task-2 to the group members. Make cross- and self-evaluation of the Task-2-1, Task-2-2, Task-2-3 completion.

Name	<member name 1>	< member name 2>	< member name 3>	<your name>
Task-2 Evaluation				

Legend: 3 - done what has been required, 2 - something was not completed (2/3 are done), 1 - only a little is dome

a) Present the results of your Task-2-4(extra) (if done) to the group members. Make cross- and self-evaluation of this task as well.

Name	<your name>	< member name>	< member name>	< *member name*>
Evaluation				

Legend: done or not

Demo-2_Task-2:

- Build a Neural Network based Classification model for the following dataset (http://users.jyu.fi/~olkhriye/ties4911/demos/demo1/Automobile_price_data_Raw_set.csv)
- Take column [***make***] as dependent parameter (our classification target) and following columns as independent parameters: ***body-style***, ***wheel-base***, ***engine-size***, ***horsepower***, ***peak-rpm***, ***highway-mpg, price***. Predict the car brand for the following inputs:

  (body-style, wheel-base, engine-size, horsepower, peak-rpm, highway-mpg, price)
  ['sedan', 103.5, 164, 121, 4250, 25, 24565]
  ['hatchback', 86.6, 92, 58, 4800, 54, 6479]

Predicted values: _____
Accuracy of the trained model: _____

Present the results: code, predicted value and accuracy of your trained model…

Make self-evaluation of the group work with respect to a personal contribution of each member and distribute 100 points among team members:

Name	<member name 1>	< member name 2>	< member name 3>
Points			

Files to include in the demo extra results (archive file ties4911-demo02-(*your_surname*).zip):

- *Demo-2_Task-instructions.doc (this file)*
- *source code (.py or .ipynb, files) , of the Demo tasks 2.*

Send the results as an archive to lecturer (oleksiy . khriyenko @ jyu . fi) before the deadline (end of 04.02.2024).