Fondamentaux Python

Solutions



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| class Imputer:  def \_\_init\_\_(self, liste, strategy = "mean"):  self.liste = liste   self.strategy = strategy    def avg(self):  sum = 0  avg\_to\_insert = []  for i in range(len(self.liste)):  if self.liste[i] is None:  avg\_to\_insert += [i]  else:  sum += self.liste[i]   for i in avg\_to\_insert:  self.liste[i] = sum/(len(self.liste)- len(avg\_to\_insert))   return self.liste    def median(self):  avg\_to\_insert = []    for i in range(len(self.liste)):  if self.liste[i] is None:  avg\_to\_insert += [i]    new\_list = [i for i in self.liste if i is not None]  new\_list.sort()    if len(new\_list) %2 ==0:  median = (new\_list[len(new\_list)//2] + new\_list[len(new\_list)//2 - 1])/2  else:  median = new\_list[len(new\_list)//2]    self.liste = [median if x== None else x for x in self.liste ]    return print(self.liste)      if self.strategy == "mean":  avg(self)  else:  median(self)    if self.strategy == "mean":  avg(self)  elif self.strategy == "median":  median(self)  else:  print("Ceci n'est pas une valeur correct pour le paramètre strategy, veuillez entrer mean ou median")     liste1 = [None,2,4,6,None] liste2 = [None,2,4,6,None] liste3 = [None,2,4,5,None] instance1 = Imputer(liste = liste1, strategy = "mean") instance2 = Imputer(liste = liste2, strategy = "median") instance3 = Imputer(liste = liste3, strategy = "lol") |