

## Rezultate

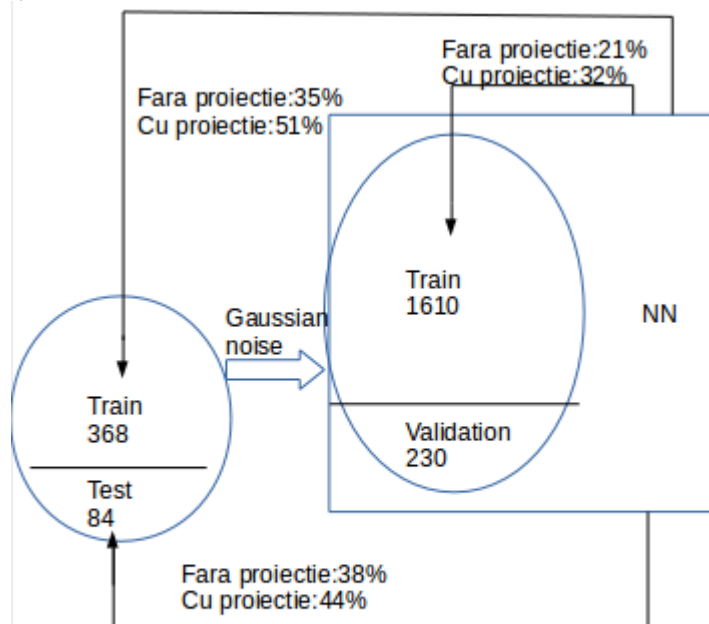
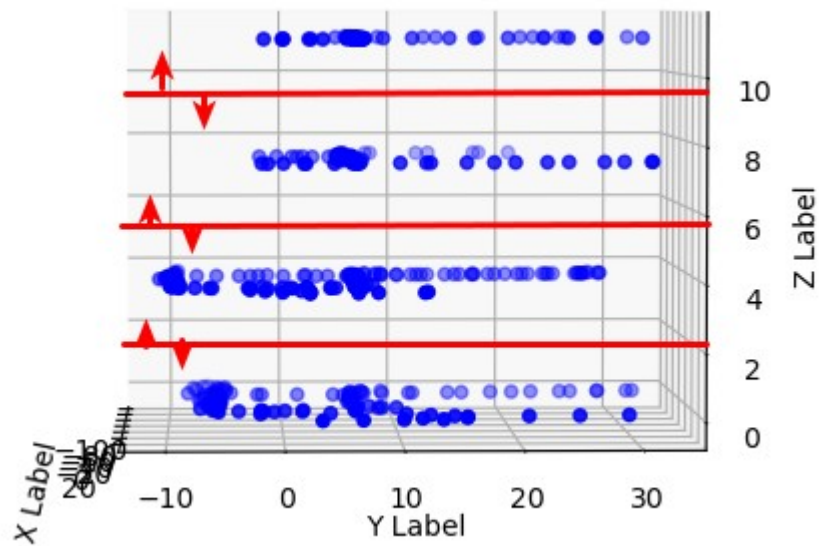
In folderul increasedDataset-Relu4layers:  
Configuratie retea: 32,100,50,20

1. Am preluat datele (490 observatii)
2. Am facut media semnalelor pt aceleasi coordonate (452 observatii)
3. Am impartit in train, test: 368,84 (81.42% 18.58%) acelasi raport ca intre 400 si 90
4. Am marit cu mici variantii gauss train-ul pana la 1840
5. Train-ul l-am impartit in train si validation (1610,230) acelasi raport ca intre 350, 50 (87.5%, 12.5%)

Nu am folosit setul de validare pentru stopare pentru ca obtineam acuratete 0.

In schimb cand costul pentru test era mai mic decat costul pentru validare, reamestecam setul de test cu validare.

Am folosit doua metode pentru evaluare: cu proiectie pe etaj sau fara



Setul de validare l-am folosit mai degraba pentru a reamesteca TRAIN cu VALIDATION atunci cand costul pentru validation depaseste costul pentru train

Rezultate FARA proiectie pe podea:

Test Dataset size 84 misclassified 52 ,...accuracy 0.38

First size 23 misclassified 16 ,...accuracy 0.30

Second size 30 misclassified 18 ,...accuracy 0.40

Thrid size 16 misclassified 9 ,...accuracy 0.44

Fourth size 15 misclassified 9 ,...accuracy 0.40

Train Dataset size 1610 misclassified 1267 ,...accuracy 0.21

First size 347 misclassified 283 ,...accuracy 0.18

Second size 594 misclassified 458 ,...accuracy 0.23

Thrid size 346 misclassified 260 ,...accuracy 0.25

Fourth size 323 misclassified 266 ,...accuracy 0.18

sau

Train Dataset size 368 misclassified 240 ,...accuracy 0.35

First size 80 misclassified 56 ,...accuracy 0.30

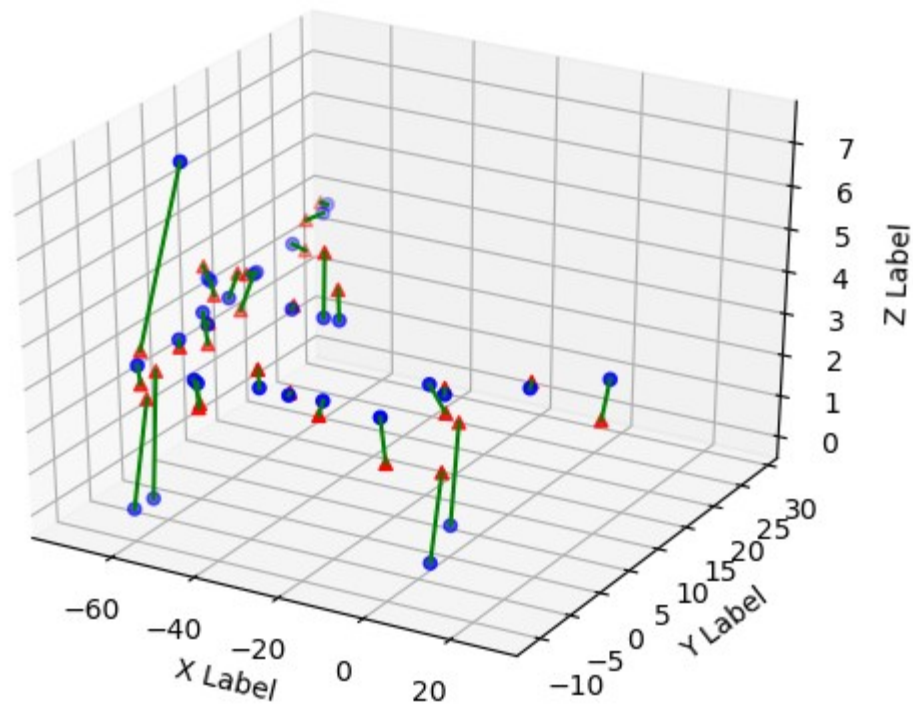
Second size 134 misclassified 85 ,...accuracy 0.37

Thrid size 79 misclassified 48 ,...accuracy 0.39

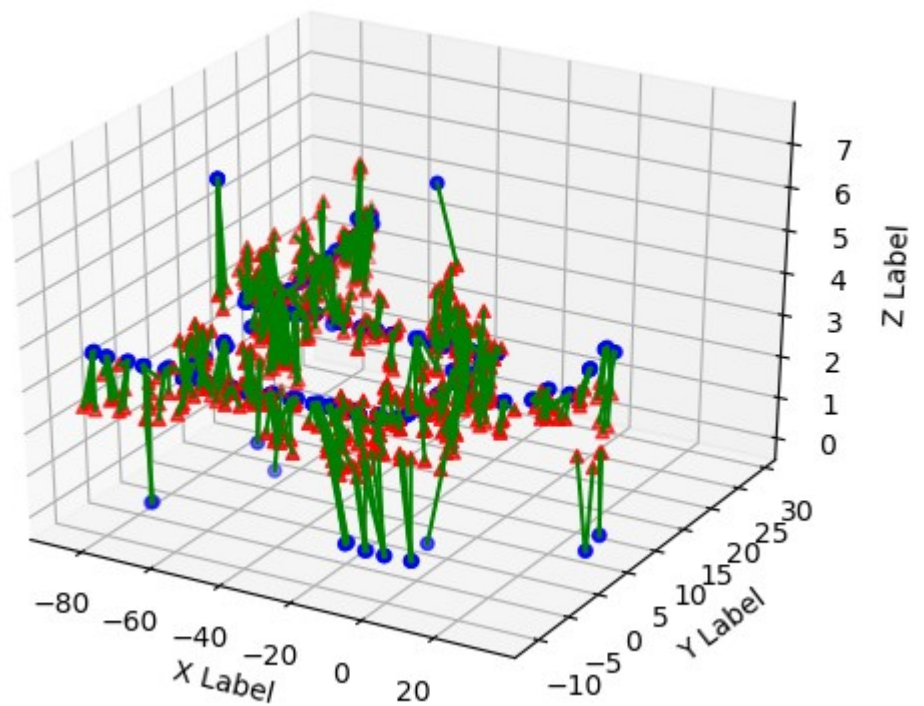
Fourth size 75 misclassified 51 ,...accuracy 0.32

Images from test dataset:

Second floor:



Pe train set  
Second floor



Cu proiectie pe podea:

Pe setul de test

Test Dataset size 84 missclasified 47 ,...accuracy 0.44

First size 23 missclasified 16 ,...accuracy 0.30

Second size 30 missclasified 16 ,...accuracy 0.47

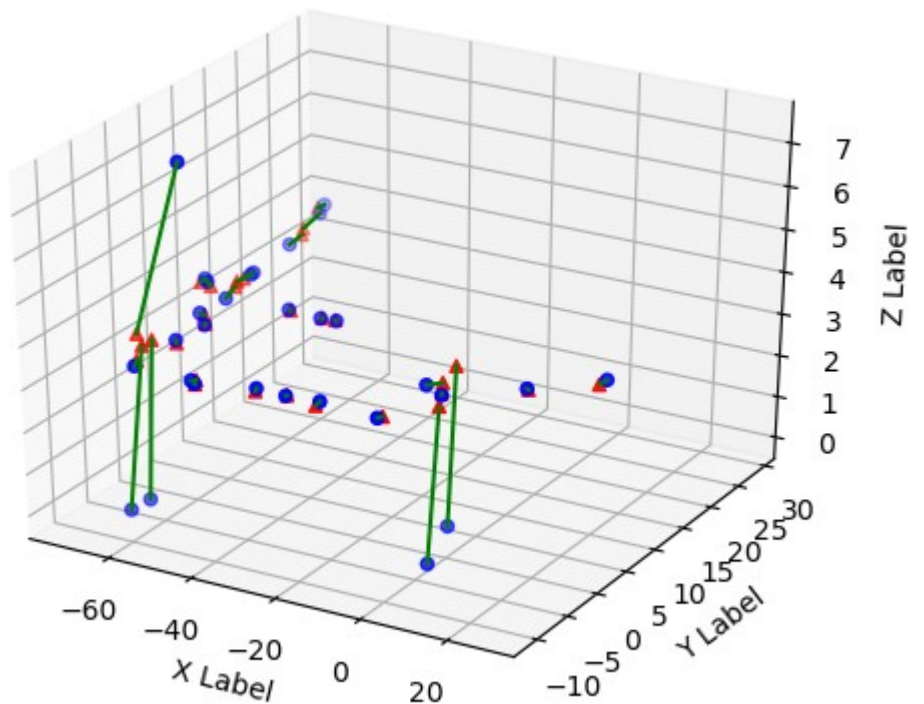
Thrid size 16 missclasified 8

,...accuracy 0.50

Fourth size 15 missclasified 7

,...accuracy 0.53

Second floor:



Pe setul de antrenare

Train Dataset size 1610

missclasified 1102 ,...accuracy

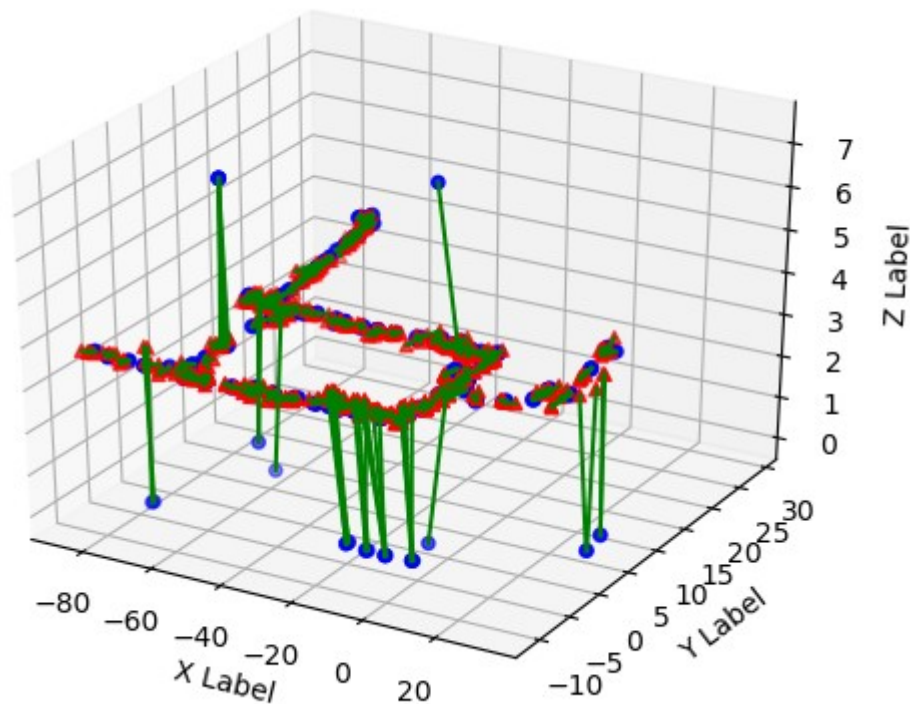
0.32

First size 347 missclasified 239 ,...accuracy 0.31  
Second size 594 missclasified 389 ,...accuracy 0.35  
Thrid size 346 missclasified 228 ,...accuracy 0.34  
Fourth size 323 missclasified 246 ,...accuracy 0.24

sau

Train Dataset size 368 missclasified 180 ,...accuracy 0.51  
First size 80 missclasified 40 ,...accuracy 0.50  
Second size 134 missclasified 59 ,...accuracy 0.56  
Thrid size 79 missclasified 37 ,...accuracy 0.53  
Fourth size 75 missclasified 44 ,...accuracy 0.41

Second floor:



De ce nu s-a luat setul WLAN\_data\_per\_sythpoint? Daca are 1479 observatii.  
Am observat ca in cladirea 1 sunt 309 AP-uri nu 307 ca in fisierul csv. De ce lipsesc 2?  
Am observat ca im mail ati scris ca se reduce de la 183 dimensiuni. Nu erau 309?