

### Changes in the Experiment.cs:

this is link for the prediction method: <https://github.com/MahdiehPirmoradian/neocortexapi-classification/blob/93ba7a0c273011e6050cab941ef7645653ec322a/MySEProject/ImageClassification/Experiment.cs#L153>

These lines are for Calling the Prediction Method and showing the results:

<https://github.com/MahdiehPirmoradian/neocortexapi-classification/blob/93ba7a0c273011e6050cab941ef7645653ec322a/MySEProject/ImageClassification/Experiment.cs#L118>

From 433 to 445 are for returning the current path of the application which is used later for reading the Test Image:

<https://github.com/MahdiehPirmoradian/neocortexapi-classification/blob/da2c8566a058d53df390a1ed40869c9415baf1e5/MySEProject/ImageClassification/Experiment.cs#L433>

### changes In the HelpersTemp.cs

small changes for showing the Input and Output Together in the correlation Matrix as shows bellow (previously in the main code for correlation Matrix we only had 1 column of Output, we add input section also) :

```
Cycle ** 175 ** Stability: False
Cycle ** 176 ** Stability: False
STABLE STATE
Correlation Matrix of Images Categories OUTPUT & INPUT is shown below
Printing statistics for experiment in micro(diagonal line from top left to bottom right) and macro (rest):
```

class	Hexagon		StraightCross		Triangle	
	Output	Input	Output	Input	Output	Input
Hexagon	Max 60.71 Avg 43.8 Min 25	Max 48.18 Avg 34.6 Min 19.19	Max 19.44 Avg 6.19 Min 0	Max 24.34 Avg 8.53 Min 1.95	Max 30.56 Avg 6.05 Min 0	Max 31 Avg 16.16 Min 7.09
StraightCross	Max 19.44 Avg 6.19 Min 0	Max 24.34 Avg 8.53 Min 1.95	Max 80 Avg 58.89 Min 40	Max 63.27 Avg 43.43 Min 29.15	Max 15.62 Avg 7.51 Min 0	Max 44.49 Avg 29.28 Min 14.33
Triangle	Max 30.56 Avg 6.05 Min 0	Max 31 Avg 16.16 Min 7.09	Max 15.62 Avg 7.51 Min 0	Max 44.49 Avg 29.28 Min 14.33	Max 80 Avg 14.38 Min 0	Max 67.8 Avg 34.46 Min 17.11

this commit shows the changes clearer However I will write each part under the link also

[CHANGES IN THE CORRELATION TABLE TO SHOW BOTH INPUT & OUTPUT TOGETHER · MahdiehPirmoradian/neocortexapi-classification@24cfd1 \(github.com\)](https://github.com/MahdiehPirmoradian/neocortexapi-classification@24cfd1)

from line 299 till 314

<https://github.com/MahdiehPirmoradian/neocortexapi-classification/blob/93ba7a0c273011e6050cab941ef7645653ec322a/MySEProject/ImageClassification/HelpersTemp.cs#L299>

from Line 339 To 356:

<https://github.com/MahdiehPirmoradian/neocortexapi-classification/blob/93ba7a0c273011e6050cab941ef7645653ec322a/MySEProject/ImageClassification/HelpersTemp.cs#L339>

from Line 382 to 406:

<https://github.com/MahdiehPirmoradian/neocortexapi-classification/blob/93ba7a0c273011e6050cab941ef7645653ec322a/MySEProject/ImageClassification/HelpersTemp.cs#L382>

and some small changes in the name of method of printSimilarityMatrix() and calling it.