

assignmet 1

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| ***Accuracy for dividing images by 2*** | | | |
| *Prediction number* | *Prediction function* | *Number of nearest neighbors (K)* | *Accuracy* |
| *1* | *Euclidean* | *10* | *92. 72%* |
| *2* | *Euclidean* | *7* | *92. 73%* |
| *3* | *Minkowski* | *10* | *92. 72%* |
| *4* | *Minkowski* | *7* | *92. 73%* |
| *5* | *Euclidean* | *20* | *91. 9799%* |
| *6* | *Minkowski* | *20* | *91. 9799%* |

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| ***Accuracy for dividing images by 4*** | | | |
| *Prediction number* | *Prediction function* | *Number of nearest neighbors (K)* | *Accuracy* |
| *1* | *Euclidean* | *10* | *80. 57%* |
| *2* | *Euclidean* | *7* | *81. 57%* |
| *3* | *Minkowski* | *10* | *80. 57%* |
| *4* | *Minkowski* | *7* | *81. 06%* |
| *5* | *Euclidean* | *20* | *78. 59%* |
| *6* | *Minkowski* | *20* | *78. 59%* |

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| ***Accuracy for dividing images by 7*** | | | |
| *Prediction number* | *Prediction function* | *Number of nearest neighbors (K)* | *Accuracy* |
| *1* | *Euclidean* | *10* | *73. 0399%* |
| *2* | *Euclidean* | *7* | *75. 35%* |
| *3* | *Minkowski* | *10* | *75. 039%* |
| *4* | *Minkowski* | *7* | *75. 35%* |
| *5* | *Euclidean* | *20* | *73. 6199%* |
| *6* | *Minkowski* | *20* | *73. 6199%* |

* From the previous tables we conclude that the get the best accuracy by dividing images by 2 resulting in 92.73% accuracy