



[illegible]



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6 0) (24 98 12) (34 32 87) (154 0 0) (42 37 125)
(5 3 8) (5 6 7) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0 0) (42 37 125) (5 3 8) (5 6 7) (3 0 5) (7
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6 0) (24 98 12) (34 32 87) (154 0 0) (42 37 125)
(setf sample (create-sample random)) ;create a random sample to help select a winning RGB
weight vector
(print sample)
(32 245 0)
(setf sample (create-sample custom (0 245 32))) ;create a custom sample to help select a winning
RGB weight vector
(print sample)
(0 245 32)
(setf winning-weight-vector (winner map sample))
(print winning-weight-vector) ;prints the most similar RGB weight vector in the map to the one
given
(42 37 125)
(setf samples (create-samples 5 random)) ;creates 5 random samples using the (create-sample)
function, a specified amount of samples to generate, and a specifier to generate the sample RGB
vectors at random
(display samples) ;prints the most similar RGB weight vectors in the map to the ones given as a
list
((42 37 125) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0 0))
(setf samples (create-samples 5 custom ((42 37 125) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0
0)))) ;creates 5 custom samples by a prompt for manual input, a specified amount of samples to
generate, a specifier to generate the sample RGB vectors customly, and a list of lists containing
the 3 elements consisting of R G B values
(display samples) ;prints the most similar RGB weight vectors in the map to the ones given as a
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((42 37 125) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0 0))
(setf sample (create-sample random)) ;create a random sample to help select a winning RGB
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(print sample)
(32 245 0)
(setf sample (create-sample custom (0 245 32))) ;create a custom sample to help select a winning
RGB weight vector
(print sample)
(0 245 32)
(setf winning-weight-vector (winner map sample euclidean-distance))
(print winning-weight-vector) ;prints the most similar RGB weight vector in the map to the one
given
(42 37 125)
(setf samples (create-samples 5 random)) ;creates 5 random samples using the (create-sample)
function, a specified amount of samples to generate, and a specifier to generate the sample RGB
vectors at random
(setf winning-weight-vectors (winners map samples euclidean-distance)) ;sets the most similar
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(print winning-weight-vectors)
((42 37 125) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0 0))
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(setf winning-weight-vectors (winners map samples euclidean-distance)) ;sets the most similar
RGB weight vectors in the map to the ones given as a list
(print winning-weight-vectors)
((42 37 125) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0 0))
(setf winning-weight-vector (winner map sample pearson-correlation-coefficient))
(print winning-weight-vector) ;prints the most similar RGB weight vector in the map to the one
given
(42 37 125)
(setf samples (create-samples 5 random)) ;creates 5 random samples using the (create-sample)
function, a specified amount of samples to generate, and a specifier to generate the sample RGB
vectors at random
(setf winning-weight-vectors (winners map samples pearson-correlation-coefficient)) ;sets the
most similar RGB weight vectors in the map to the ones given as a list
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(setf samples (create-samples 5 custom ((42 37 125) (3 0 5) (7 6 0) (24 98 12) (34 32 87) (154 0 0)))) ;creates 5 custom samples by a prompt for manual input, a specified amount of samples to generate, a specifier to generate the sample RGB vectors customly, and a list of lists containing the 3 elements consisting of R G B values
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