

Machine learning course (uw) python stuff



**ASSIGN
BUSTER**

import graphlab
What is the import statement for the cool framework for visualization?
dataSet= graphlab. SFrame('nameoffile. csv')
How do you import a csv?
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SFrame. show()
How do you visual a SFrame?
graphlab. canvas. set_target('ipynb')
How do you get visualizations to show up inline in iPython?
view(='Scatter plot'), x, y variables
What do you need for a SFrame visualization?
sales. show(view="Scatter Plot", x=" sqft_living", y=" price")
How do you make a scatterplot with a SFrame of sales for the values of price vs. squareFeet?
column names
In a SFrame scatter plot show function, do you need quotations for the column names, the variable names, both or neither?
train_data, test_data = sales. random_split(. 8, seed= 0)
How do you split up a training test set?
training data, target='nameoffieldforYaxis', featuresList, validation_set(= None)
What do you need for a regression?
sqft_model = graphlab. linear_regression. create(train_data, target='price', features=['sqft_living'], validation_set= None)
How would you write a regression?
evaluate print sqft_model. evaluate(test_data)
How do you have Python check your model?
print sqft_model. evaluate(test_data)
How do you get it to check the mean?
sqft_model. get('coefficients')
How do you get the values of the model?
sqft_model. get('coefficients')
How do you make a box whiskers plot?
print my_features_model. predict(features)
How do you make your model predict?
How do you get a dictionary of word counts?
products['word_count'] = graphlab. text_analytics. count_words(products['review'])
How do you show a categorical view?
giraffe_reviews['rating']. show(view='Categorical')
How do you create a sentiment classifier?
sentiment_model = graphlab. logistic_classifier. create(train_data,

target='sentiment',
 features=['word_count'],
 validation_set= test_data)How do show the text for a ROC curve?
 sentiment_model. evaluate(test_data, metric='roc_curve')How do you view a
 ROC curve for a sentiment model? sentiment_model. evaluate(test_data,
 metric='roc_curve')
 sentiment_model. show(view='Evaluation')What is accuracyTP +
 TF/TotalHow do you view the prediction probability?
 giraffe_reviews['predicted_sentiment'] = sentiment_model.
 predict(giraffe_reviews, output_type='probability')What are the parameters
 for sort()? column name, ascending= True or FalseHow do you show
 coefficients for a model? model_name[" coefficients"] after runningHow do
 you evaluate a model? model_name. evaluate(test_data)How do you
 compute nearest neighbor? knn_model = graphlab. nearest_neighbors.
 create(people, features=['tfidf'], label='name')How do you compute distance
 (similarity really)? graphlab. distances. cosine(obama['tfidf'][0],
 clinton['tfidf'][0])How do you compute tdf? tfidf = graphlab. text_analytics.
 tf_idf(people['word_count'])How do you create a table from tfidf info?
 obama[['tfidf']]. stack('tfidf', new_column_name=['word','tfidf']). sort('tfidf',
 ascending= False)How do get nearest people in nearest neighbor?
 knn_model. query(jolie)Recommender system recall is#liked and #shown
 /(over) #likedRecommender system precision is#liked and #shown/#shown