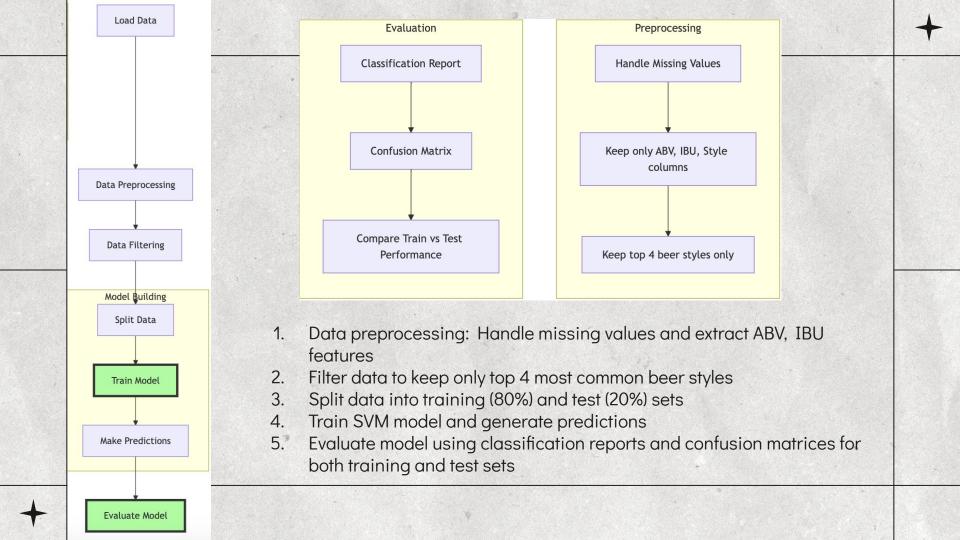
Week 9 Discussion lab 8 Machine Learning



Part I: Data, Wrangling, & EDA

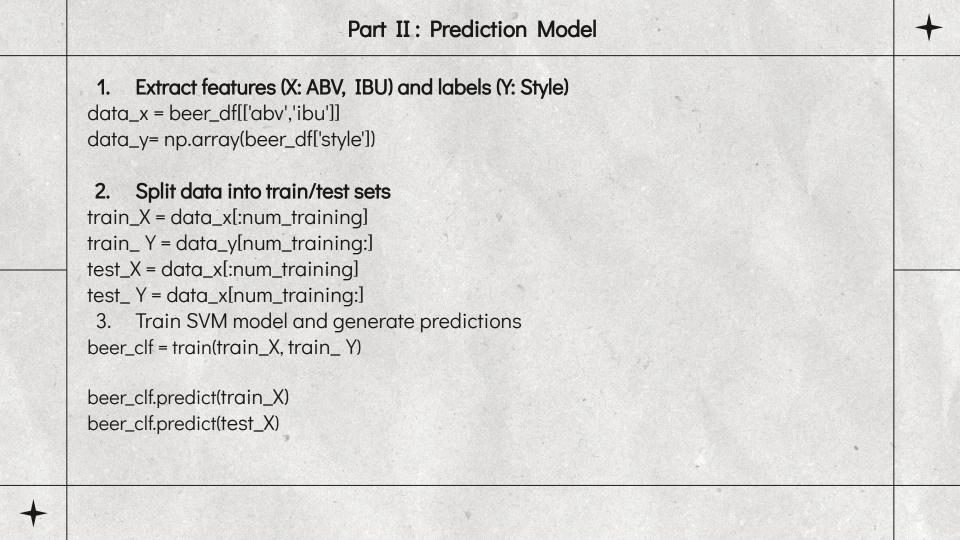
dtype: int64

- Analyze missing values(.isnull().sum(axis=0)
- Name ABV IBU Name ABV IBU Name 1 0 Beer1 5.0 45.0 O False False False
- ABV 1 1 Beer2 NaN 60.0 1 False True False IBU 2 2 Beer3 7.5 NaN 2 False False True
- 3 None 4.8 NaN 3 True False True
 - Merge beer and brewery datasets (left join)
 - Why left join?
 - How does left join works?

 - Filter dataset to keep only top 4 styles (.value_counts()[:].index.tolist()

Remove rows with missing values in style, abv, ibu(dropna(subset=1))





		Part III: Model Assessment	+
	. 1.	Generate classification reports (precision, recall, f1-score)	*
	2.	Create confusion matrices	
	3.	Compare training vs testing performance Train accuracy vs test accuracy	
	4.	Analyze where model performs well/poorly F1 score	
	5.	Evaluate potential overfitting	
+			

Thanks!

Any questions?