









ML task  Input, output to predict, type of problem. Type of problem : Classification Input : iris的sepal(萼片)長寬和petal(花瓣)長寬 Output : class of iris plant.	Decisions  How are predictions used to make decisions that provide the proposed value to the end-user? 將既有的Iris資料分群,有新的Iris資料進來後再依建立好的分群模型歸入對應的群組	Value Propositions  What are we trying to do for the end-user(s) of the predictive system? What objectives are we serving? 由iris的sepal(萼片)長寬和petal(花瓣)長寬來將iris分群	Data Sources  Which raw data sources can we use (internal and external)? UC Irvine Machine Learning Repository: Iris Data Set	Collecting Data  How do we get new data to learn from ? 將iris.data中的class欄位刪除作為訓練檔
Making Predictions  When do we make predictions on new inputs? How long do we have to featurize a new input and make a prediction? 每一次新的田野調查後,就將蒐集到的Iris資料分群 目標: 分群的結果,每群的點所算出的外聚力以及內聚力達到最佳的數值	Offline Evaluation  Methods and metrics to evaluate the system before deployment. 將既有的Iris資料分群,每群的點所算出的外聚力以及內聚力達到最佳的數值		Features  Input representations extracted from raw data sources. 1. sepal length in cm 2. sepal width in cm 3. petal length in cm 4. petal width in cm 5. class: -- Iris Setosa -- Iris Versicolour -- Iris Virginica	Building Models  When do we create/update models with new training data? How long do we have to featurize training inputs and create a model? 將iris作為訓練檔 用kmeans演算法建立預測模型
	Live Evaluation and Monitoring Methods and metrics to evaluate the system after deployment, and to quantify value creation.	新的田野調查後,就將蒐集到的Iris資料分群,每群的點所算出的外聚力以及內聚力達到最佳的數值	