Clustering Assignment in KNIME

3 questions

1.	Create a KNIME workflow that utilizes the K-means clustering learning method to train a model on the Iris training data set. Set the initial value of K to default k=3. This corresponds well to the 3 existing classes of Iris categories as provided in the training data set. Was every instance of the Iris flower assigned to the "correct" corresponding type of Iris cluster? Yes - every instance was assigned to a "correct" cluster No - some Iris-versicolor and Iris-virginica instances were assigned to a mix of clusters No - some Iris-setosa instances were assigned to a mix of clusters
2.	Download the bank training data set attached here and create your own K-means clustering model workflow.
	bank_data_Example.csv
	The marketing department of a financial firm keeps records on customers, including demographic information and the type of accounts. When launching a new product, such as a "Personal Equity Plan" (PEP), a direct mail piece, advertising the product, is sent to existing customers, and a record kept as to whether that customer responded and bought the product. The data contains the following fields
	id a unique identification number
	age age of customer in years (numeric)
	sex MALE / FEMALE
	region inner_city/rural/suburban/town
	income income of customer (numeric)
	married is the customer married (YES/NO)
	children number of children (numeric)
	car does the customer own a car (YES/NO)
	save_acct does the customer have a saving account (YES/NO)
	current_acct does the customer have a current account (YES/NO)
	mortgage does the customer have a mortgage (YES/NO)
	pep did the customer buy a PEP (Personal Equity Plan) after the last mailing (YES/NO)
	Experiment with several different values for K. Analyze the cluster assignment for the ID12101. For k=3 and K=5 was the ID12101 assigned to the same of different cluster?
	D12101 was assigned to the same cluster for both k=3 and k=5
	D12101 was not assigned to the same cluster for both k=3 and k=5
3.	For K-means clustering on the Bank data with K=6 what are the average characteristics for age and income of the largest cluster in the Bank data set? (without normalization)
	Average Age=33; Average Income=\$17200
	Average Age=25; Average Income=\$12548
	Average Age=62; Average Income=\$53786
	Average Age=42; Average Income=\$23753
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