

Assignment 1

Rohan Hitchcock and Patrick Randell

Question 1

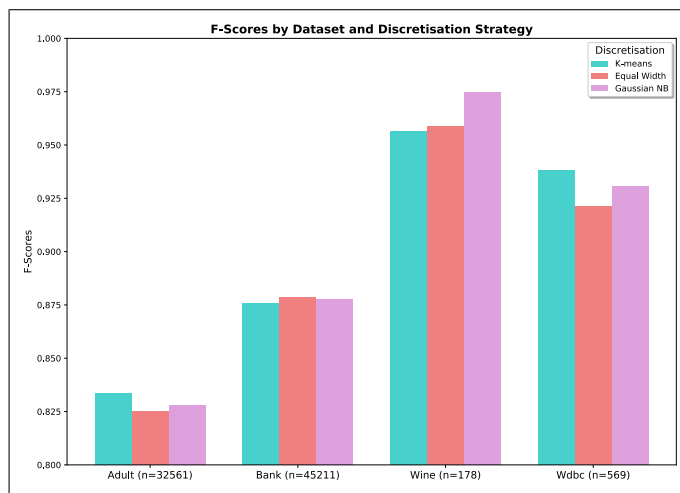


Figure 1: F-Scores ($\beta = 1$) for various discretisation methods.

Question 2

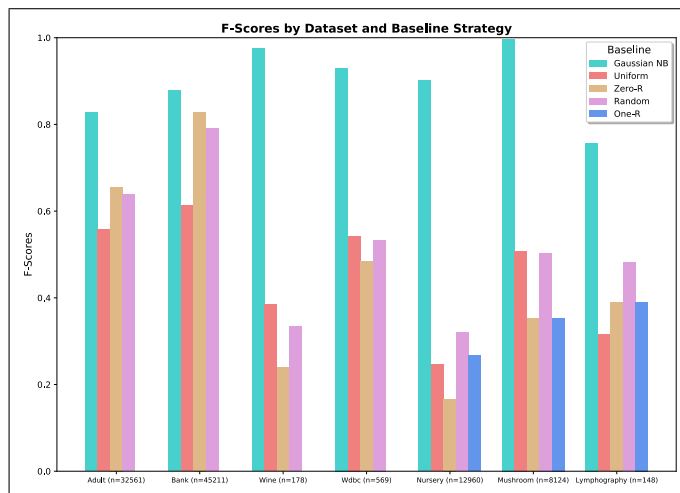


Figure 2: F-Scores ($\beta = 1$) for various baselines.

Question 4

		Accuracy	Precision	Recall	F-Score ($\beta = 1$)
Mushroom	No Split	0.997	0.997	0.997	0.997
	Cross Val.	0.997	0.997	0.997	0.997
Adult	No Split	0.833	0.823	0.833	0.828
	Cross Val.	0.833	0.823	0.833	0.828
Nursery	No Split	0.903	0.906	0.904	0.904
	Cross Val.	0.903	0.901	0.903	0.902
WBDC	No Split	0.940	0.940	0.940	0.940
	Cross Val.	0.930	0.931	0.930	0.930
Wine	No Split	0.989	0.989	0.989	0.989
	Cross Val.	0.972	0.977	0.972	0.975
Bank	No Split	0.877	0.880	0.877	0.878
	Cross Val.	0.877	0.879	0.877	0.878
Lymphography	No Split	0.892	0.893	0.892	0.893
	Cross Val.	0.763	0.751	0.763	0.757

Figure 3: No train-test split vs. cross validation (10 partitions).

Question 5

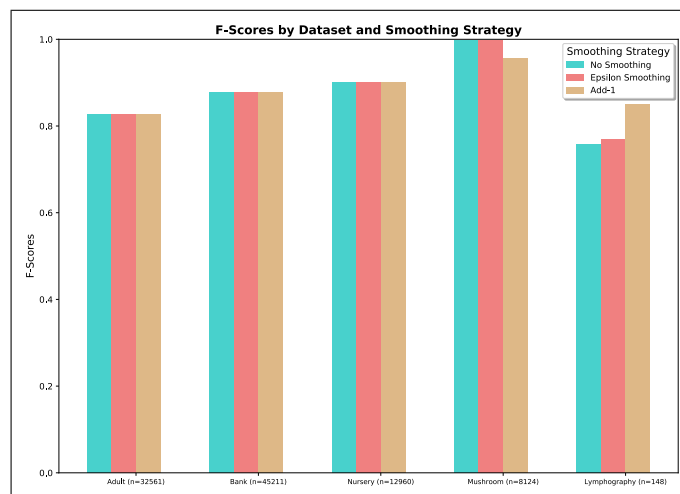


Figure 4: F-Scores ($\beta = 1$) for various baselines.