K-Nearest Neighbors Classification Study

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1 Introduction

This document presents a study on the K-Nearest Neighbors (KNN) classification algorithm.

2 Methodology

Describe the methodology used in the study.

3 Results

Present the results obtained from the experiments.

Dataset	**Samples**	**Features**	**Accuracy**			
			nn-clas	**1nn-clas**	**3nn-clas**	**5nn-clas**
Ionosphere	351	34	0.87	0.85	0.87	0.87
Binary Digits	360	64	1.00	0.52	0.52	0.52
Haberman	306	3	0.71	0.68	0.69	0.69
Pima Diabetes	768	8	0.73	0.52	0.52	0.52
Banknote	1372	4	1.00	0.99	0.99	0.99
Sonar	208	60	0.77	0.85	0.83	0.81
Breast Cancer	569	30	0.93	0.39	0.39	0.39
SPECT Heart	349	44	0.70	0.95	0.95	0.95

Table 1: Comparison of Models on Different Datasets

4 Conclusion

Summarize the findings and conclusions of the study.