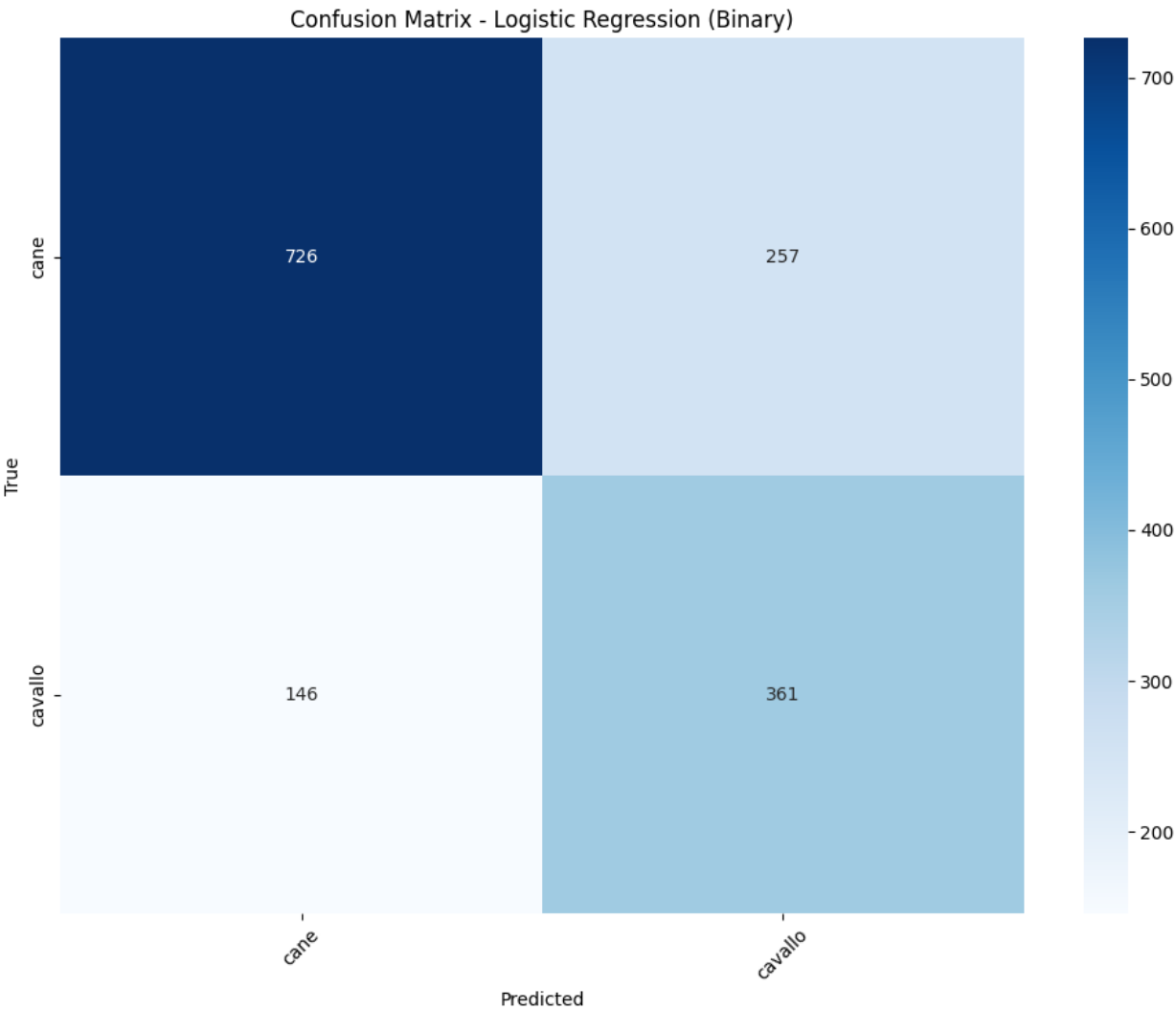


Running Binary Logistic Regression...

Logistic Regression (Binary) Results:
Accuracy: 0.7295302013422819

Classification Report:

	precision	recall	f1-score	support
cane	0.83	0.74	0.78	983
cavallo	0.58	0.71	0.64	507
accuracy			0.73	1490
macro avg	0.71	0.73	0.71	1490
weighted avg	0.75	0.73	0.73	1490

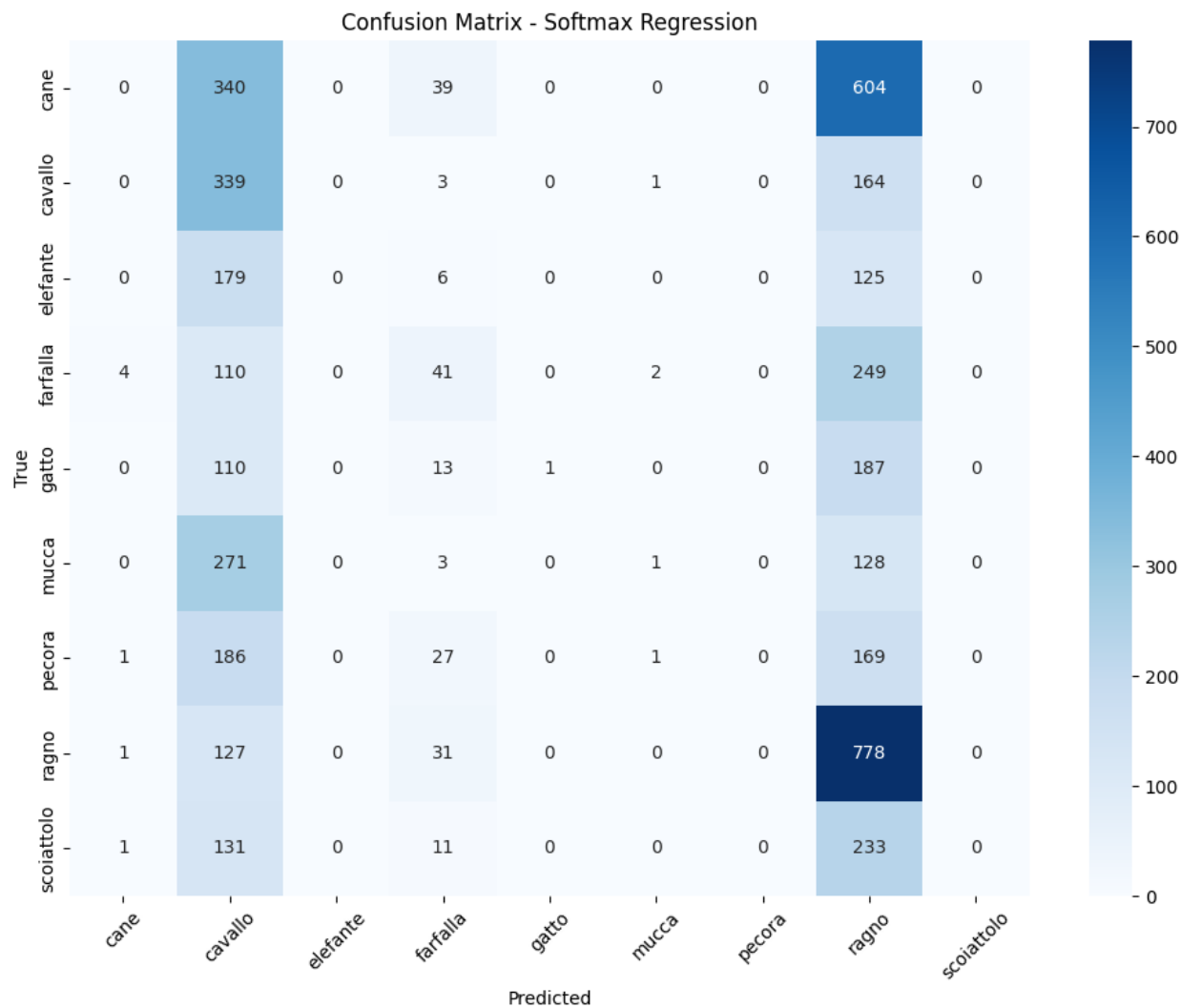


Running Softmax Regression...

Softmax Regression Results:
Accuracy: 0.25124539744422786

Classification Report:

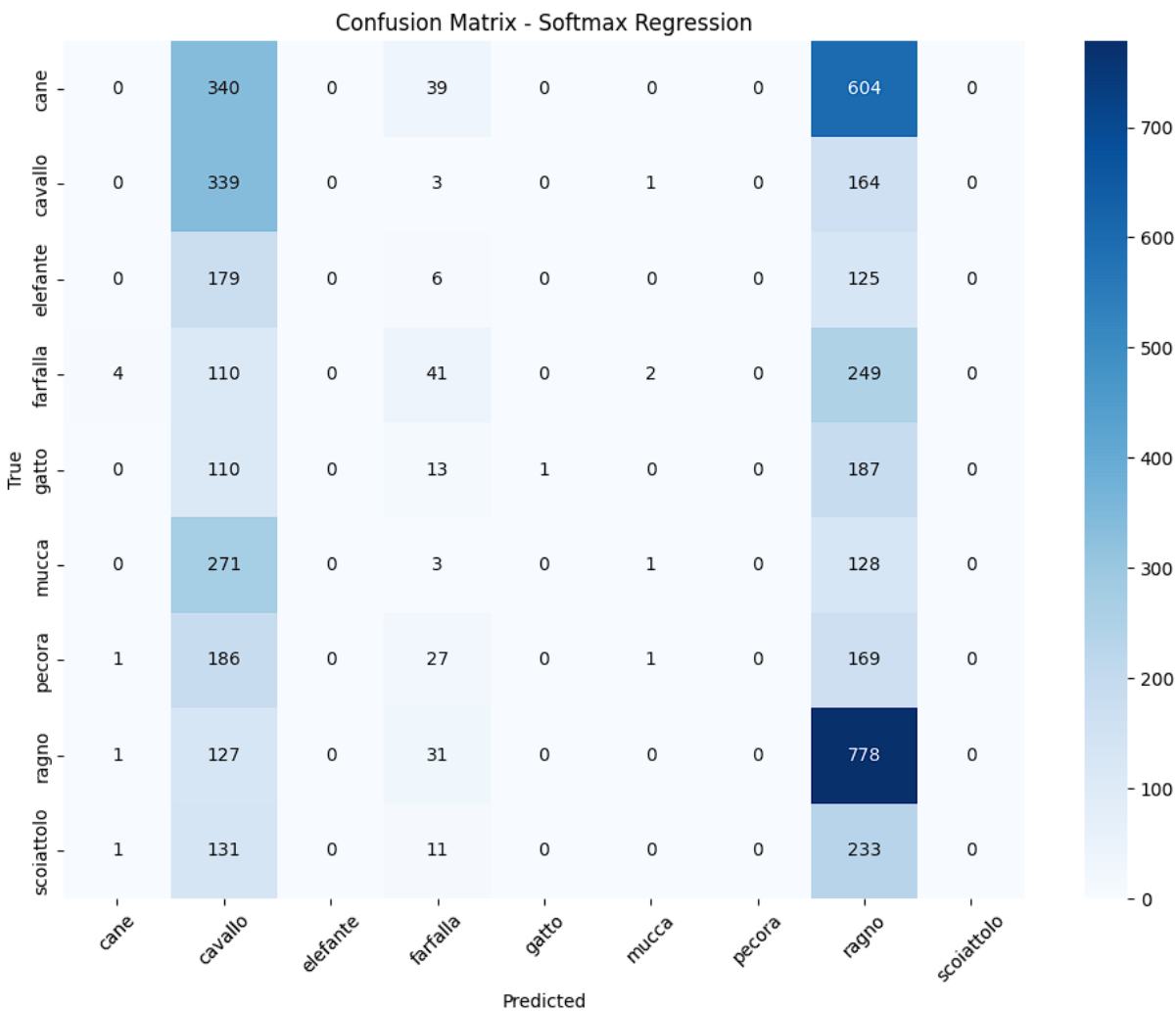
	precision	recall	f1-score	support
cane	0.00	0.00	0.00	983
cavallo	0.19	0.67	0.29	507
elefante	0.00	0.00	0.00	310
farfalla	0.24	0.10	0.14	406
gatto	1.00	0.00	0.01	311
mucca	0.20	0.00	0.00	403
pecora	0.00	0.00	0.00	384
ragno	0.30	0.83	0.44	937
scoiattolo	0.00	0.00	0.00	376
accuracy			0.25	4617
macro avg	0.21	0.18	0.10	4617
weighted avg	0.19	0.25	0.13	4617



SVM (RBF Kernel) Results:
Accuracy: 0.46242148581329867

Classification Report:

	precision	recall	f1-score	support
cane	0.37	0.66	0.47	983
cavallo	0.50	0.53	0.51	507
elefante	0.52	0.13	0.21	310
farfalla	0.62	0.39	0.48	406
gatto	0.36	0.03	0.05	311
mucca	0.52	0.29	0.37	403
pecora	0.53	0.35	0.42	384
ragno	0.52	0.74	0.61	937
scoiattolo	0.48	0.15	0.23	376
accuracy			0.46	4617
macro avg	0.49	0.36	0.37	4617
weighted avg	0.48	0.46	0.43	4617



KNN (k=3) Results:
Accuracy: 0.32401992635910765

Classification Report:				
	precision	recall	f1-score	support
cane	0.37	0.31	0.34	983
cavallo	0.47	0.21	0.29	507
elefante	0.21	0.14	0.17	310
farfalla	0.38	0.13	0.20	406
gatto	0.23	0.08	0.12	311
mucca	0.55	0.15	0.23	403
pecora	0.45	0.17	0.24	384
ragno	0.29	0.87	0.43	937
scoiattolo	0.44	0.08	0.14	376
accuracy			0.32	4617
macro avg	0.38	0.24	0.24	4617
weighted avg	0.37	0.32	0.28	4617

