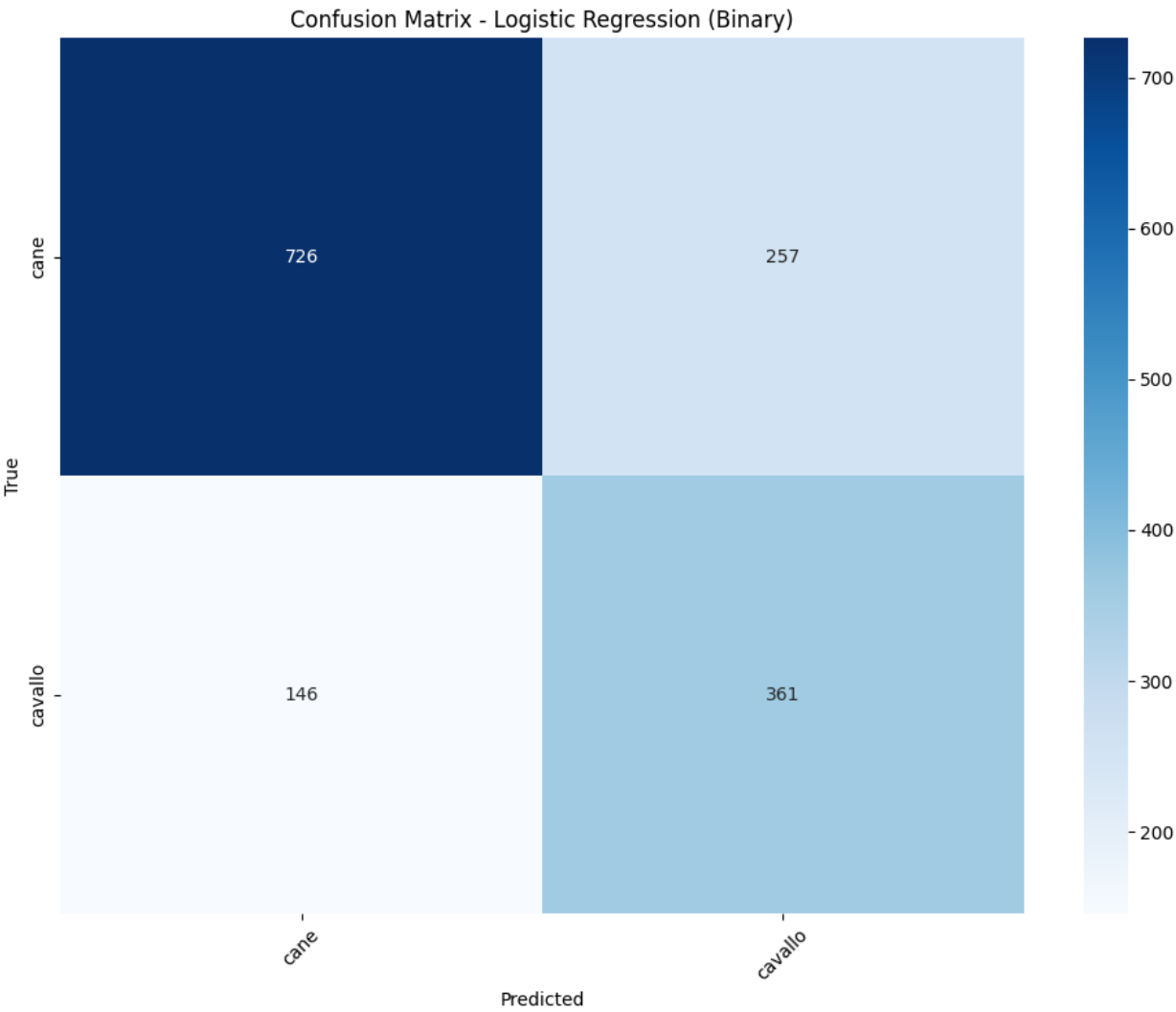```
Running Binary Logistic Regression...

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
```

Confusion Matrix - Logistic Regression (Binary)

```
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
```

Confusion Matrix - Softmax Regression