

## 1. Unigram

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	151	50.3333 %
Incorrectly Classified Instances	149	49.6667 %
Kappa statistic	0.2553	
Mean absolute error	0.3368	
Root mean squared error	0.5255	
Relative absolute error	76.1063 %	
Root relative squared error	111.7192 %	
Total Number of Instances	300	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.560	0.211	0.537	0.560	0.548	0.346	0.727	0.599	Positif
	0.442	0.251	0.515	0.442	0.476	0.198	0.661	0.541	Netral
	0.521	0.284	0.463	0.521	0.490	0.230	0.647	0.415	Negatif
Weighted Avg.	0.503	0.250	0.505	0.503	0.503	0.253	0.677	0.518	

=== Confusion Matrix ===

a b c <-- classified as

51 22 18 | a = Positif

23 50 40 | b = Netral

21 25 50 | c = Negatif

## 2. Bgram

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	134	44.6667 %
Incorrectly Classified Instances	166	55.3333 %
Kappa statistic	0.1355	
Mean absolute error	0.4091	
Root mean squared error	0.465	
Relative absolute error	92.4485 %	
Root relative squared error	98.8558 %	
Total Number of Instances	300	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.099	0.062	0.409	0.099	0.159	0.065	0.656	0.424	Positif
	0.805	0.679	0.417	0.805	0.550	0.137	0.630	0.501	Netral
	0.354	0.127	0.567	0.354	0.436	0.264	0.584	0.443	Negatif
Weighted Avg.	0.447	0.315	0.463	0.447	0.395	0.156	0.623	0.459	

=== Confusion Matrix ===

```

a b c <-- classified as
9 75 7 | a = Positif
3 91 19 | b = Netral
10 52 34 | c = Negatif

```

### 3. Trigram

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	170	56.6667 %
Incorrectly Classified Instances	130	43.3333 %
Kappa statistic	0.3549	
Mean absolute error	0.3311	
Root mean squared error	0.4652	
Relative absolute error	74.8262 %	
Root relative squared error	98.8837 %	
Total Number of Instances	300	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.692	0.301	0.500	0.692	0.581	0.364	0.711	0.488	Positif
	0.460	0.155	0.642	0.460	0.536	0.333	0.686	0.570	Netral
	0.573	0.186	0.591	0.573	0.582	0.390	0.725	0.561	Negatif
Weighted Avg.	0.567	0.209	0.583	0.567	0.564	0.361	0.706	0.542	

=== Confusion Matrix ===

```

a b c <-- classified as
63 15 13 | a = Positif
36 52 25 | b = Netral
27 14 55 | c = Negatif

```

