

ALGO – TP Final

Voici les résultats obtenus pour le model

Meilleurs paramètres pour notre model

```
Best parameters found:  
{'C': 10.0, 'class_weight': 'balanced', 'max_iter': 1000, 'solver': 'liblinear'}
```

Matrice de confusion :

```
Confusion Matrix:  
[[12  0]  
 [ 5  4]]
```

Rapport de classification :

Classification Report:				
	precision	recall	f1-score	support
0	0.71	1.00	0.83	12
1	1.00	0.44	0.62	9
accuracy			0.76	21
macro avg	0.85	0.72	0.72	21
weighted avg	0.83	0.76	0.74	21

Les 20 plus importantes features (mots dans ce cas) :

```
Top 20 most important features:  
feature importance  
48 fantastic 3.238678  
5 amazing 2.512211  
55 great 2.502095  
72 nothing 2.351221  
80 product 2.309767  
107 truly 2.307102  
69 not 2.266478  
77 pleased 2.222868  
101 tasks 2.221495  
34 disappointed 2.118655  
60 incredibly 2.042593  
115 worst 2.019772  
89 results 1.987789  
103 terrible 1.960028  
85 regret 1.870087  
1 acceptable 1.799792  
14 basic 1.790646  
95 so 1.779976  
21 but 1.659094  
78 poor 1.651034
```