

# Zero e Few Shot com LLaMA



23 de março de 2023

# Conceitos Importantes

- **Zero-Shot**

- Recebe apenas uma instrução em linguagem natural descrevendo a tarefa

- **Few-Shot**

- Recebe algumas demonstrações da tarefa no tempo de inferência sem nenhuma atualização de peso

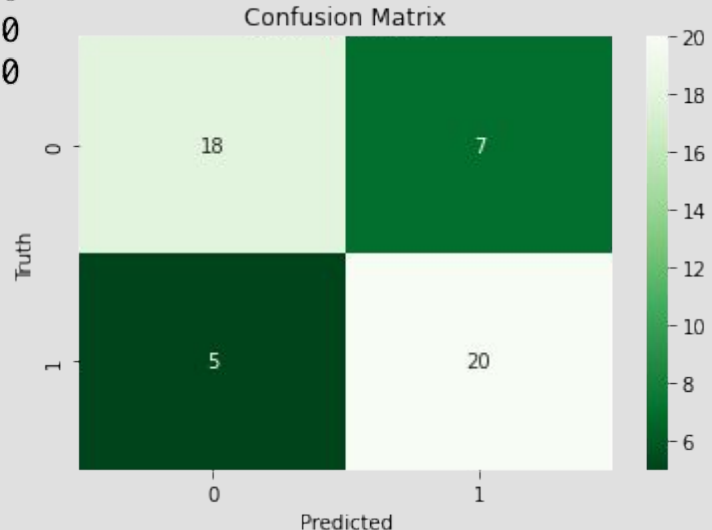
# Problema

- Classificação de texto com resenhas de filmes

	text	label
<p>The most accurate description of how Billy Crystal fairs in "My Giant" is to say that this movie is to his career as "Ishtar" was to Warren Beaty's - it didn't ruin it, but it slowed it down.....a lot. Crystal should know the three golden rules of Hollywood: 1) never play opposite a kid 2) never play opposite an animal 3) never play opposite someone that is almost 3 feet taller than you, is as innocent as a kid and "acts" like an animal.&lt;br /&gt;&lt;br /&gt;What is this story? A comedy? I guess, but I didn't laugh, except at the scenes where Crystal is on his own and not burdened with his (what-is-her-role-in-this-movie) ex-wife or the afore-mentioned Giant. Did I mention there's also a kid in this film? Well, forget about him. The son is brought in to make us feel sorry for Crystal, and we do, but for the actor, not the character. Billy Crystal is a funny man. If you don't believe me, watch him in old episodes of "Soap" or "Saturday Night Live." Go rent "City Slicker" or "Running Scared" or "When Harry Met Sally."&lt;br /&gt;&lt;br /&gt;"Giant" is more ho-hum than fee-fi-fo-fum.&lt;br /&gt;&lt;br /&gt;</p>	0	
<p>I just watched it last night and it was great.I can see why some ppl have ill feelings towards it from a rugby fan and maori culture point of view but other than that I have no idea what's so negative about it. The movie is great. It has a lot of heart. Very inspiring and encouraging to all ages. Great family movie! They did a pretty good job considering that it was a budget movie. I love movies based on true stories/events. I was raised around rugby all my life, it is a great game but I was never really taken to it because (please forgive me if I offend anyone, nothing personal this is just how I saw it) I thought, their trainings are not as ruthless or hard, the players are not as disciplined and don't seemed as serious like other sportmen and it looked like it's all just muscle and blooming tackling each other etc. But after watching Forever strong, I was like, wow! I was proud! It did good things for rugby (well it changed my view of rugby) and also the New Zealand Haka. I actually cried. I am not even New Zealander and I was proud of their culture. Didn't even know what the chant meant until this movie. The movie is NOT about rugby techniques or rugby, it's not even about New Zealand All Blacks or the Haka or etc.....Mother of pearls!!!! hahaha SHUX!&lt;br /&gt;&lt;br /&gt;So to all you beautiful negative ppl, You are missing the point! I am sure if they had the means, it would have been better, the haka is in there because that was part of Highland Rugby culture, tradition or what ever you want to call it. &lt;br /&gt;&lt;br /&gt;So any new members on this site such as myself, please don't be put off by those negative comments. See it for yourself! Must see movie! There is a lot you can learn from this movie, ppl of all ages. It definitely makes you want to be a better person and be humble! This movie reminded me of a lot of things that I already know and was raised with but I kinda lost along the way! Loved it! Happy reading pppls and All the best!&lt;br /&gt;&lt;br /&gt;Muawha!</p>	1	
<p>If I could go back, even as an adult and relive the days of my Summer's spent at camp...I would be there so fast. The Camps I went to weren't even this great. They were in Texas where the mosquitoes actually carry people off but we had horses and fishing. The movie cinematography was astounding, the characters funny and believable especially Perkins, Pollack and Arkin. Sam Raimi's character and sub-antics were priceless. So who ever thought this movie was lame...I have deep pity for because they can't suspend their disbelief long enough to imagine camp life again as an adult or they never went as kids. The whole point was that these people had an opportunity to regress and become juvenile again and so they did at every opportunity. I wish I could. It was funny, intelligent, beautifully scripted, brilliantly cast and the artistry takes me back so I want to watch it over and over just for the scenery even. Sorta like Dances with Wolves and LadyHawk...good movies but the wilderness becomes a character as much as the actors. Rent it, see it, buy it and watch it over and over and over...never gets old. ;0)</p>	1	

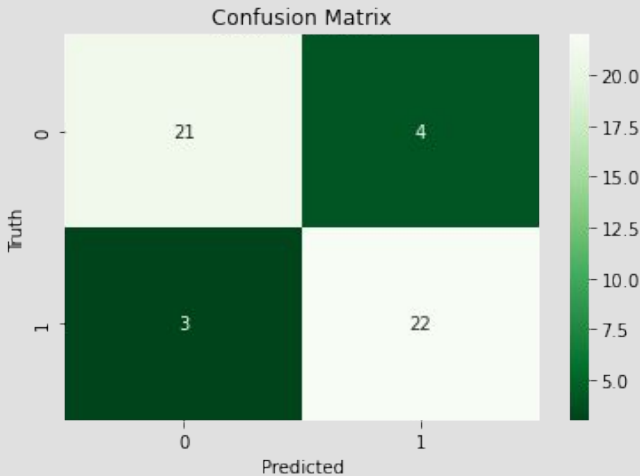
# Resultados Zero-Shot

	precision	recall	f1-score	support
Negative	0.78	0.72	0.75	25
Positive	0.74	0.80	0.77	25
accuracy			0.76	50
macro avg	0.76	0.76	0.76	50
weighted avg	0.76	0.76	0.76	50



# Resultados Few-Shot

	precision	recall	f1-score	support
Negative	0.88	0.84	0.86	25
Positive	0.85	0.88	0.86	25
accuracy			0.86	50
macro avg	0.86	0.86	0.86	50
weighted avg	0.86	0.86	0.86	50



# Problemas

- A primeira tentativa foi usar um dataset em Português, mas o modelo gerava muita alucinação nas resposta
- Dependendo do prompt o modelo gera alucinações, retornando parte de código
- Alguns retornos não foram exatamente uma classe, mas apenas para teste em todos os caso foi atribuído o label 0

# Questionamentos

- Até onde esses modelos multilingual irão se comportar bem para Português?
- Como lidar no caso de few-shot em problemas de classificação com muitas classes? Qual será o tamanho do prompt?

# Obrigado

Manoel Veríssimo

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