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Guided Research Grad I
Week 4 Summary Report

As a refresher, my research topic is the application of Large Language Models (LLM) in prediction of maritime vessel trajectories.

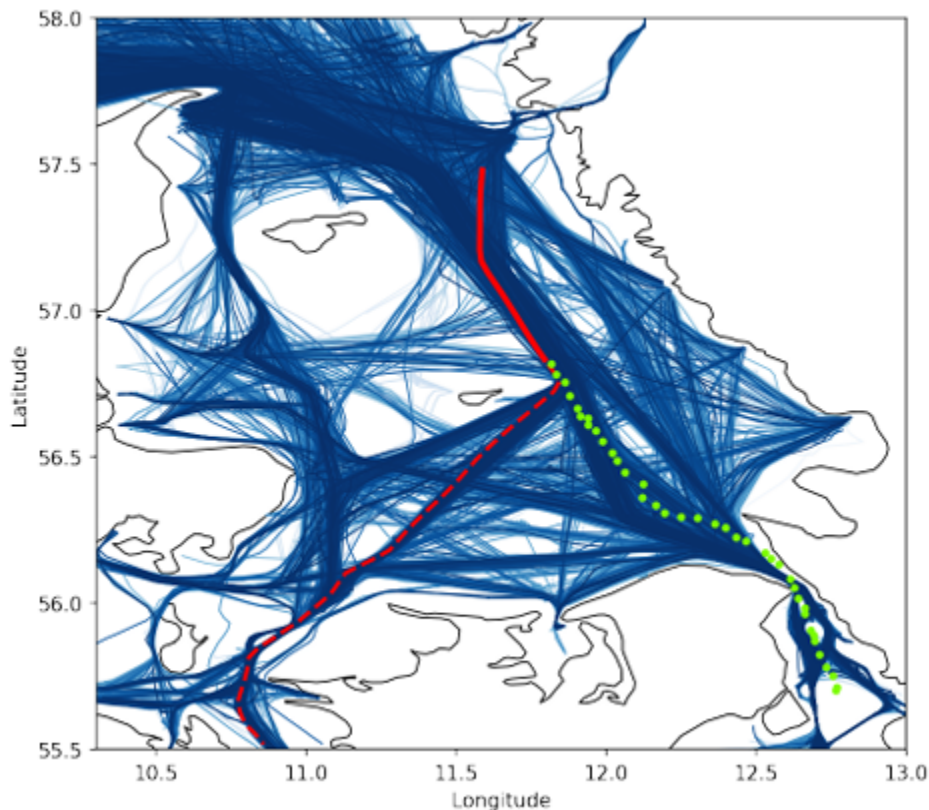


Figure 1. LLM input path in solid red, predicted output path in dotted green, and actual output path in dashed red.

During class Professor Kaisler asked about using open source LLM alternatives to GPT. I read LLaMA: Open and Efficient Foundation Language Models [1] to learn more about open source offerings. In the end I decided that I just didn't have enough time to explore more options at this stage in the project, but would certainly like to investigate these open source alternatives at another time.

References

[1] Touvron, Hugo & Lavril, Thibaut & Izacard, Gautier & Martinet, Xavier & Lachaux, Marie-Anne & Lacroix, Timothée & Rozière, Baptiste & Goyal, Naman & Hambro, Eric & Azhar, Faisal & Rodriguez, Aurelien & Joulin, Armand & Grave, Edouard & Lample, Guillaume. (2023). LLaMA: Open and Efficient Foundation Language Models. 10.48550/arXiv.2302.13971.