Oriserve - Intern Data Scientist Assignment

Subtheme Sentiment Analysis Task

Take the following example:

"One tyre went missing, so there was a delay to get the two tyres fitted. The way garage dealt with it was fantastic."

In this review there are numerous insights, insights we call *"subtheme sentiments"*. A Subtheme sentiment is generally a sentiment towards an aspect or a problem.

If we look at the subtheme sentiments of the above review we will get a clearer sense what these generally are.

incorrect tyres sent negative   **garage service positive**   **wait time negative**

The main difference between these subthemes is that **Garage Service** and **Wait Time** are aspects of the service that can be positive or negative while
Incorrect Tyres Sent denotes a problem, something inherently negative.

Task
The task is to develop an approach that given a sample will identify the subthemes along with their respective sentiments.

Task Evaluation
This task will be evaluation by the following metrics:
- Approach
- Result
- Code

What should be submitted
- All code and resources (if these are large a link is sufficient)
- A summary, explanation and motivation of approach, along with ideas of improvements and possible problems with chosen approach.

Finally, Some Hints!
- Keep it simple but innovative and contemporary!

- A good motivation and explanation of your approach along with a good understanding of its shortcomings and ideas of improvements is as important, if not more important than the execution!
- Readable code and good documentation is appreciated!
- Keep an environment for easy set-up!

Submission Details

Deadline: 2 days after task received

Send to: Reply back to the task mail

Good Luck!

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