

Sprint Evaluation

In this sprint, our team was planning to finish the sentence representation compressing part. However, searching for the usable sentence features and implementing them took a lot longer than we expected. First, we needed to learn how to use Zemberek (an open source NLP library) and Tensorflow (an open source software library for numerical computation). After that, we started to make them compatible with our project, write new functions using them. Once we finished optimizing these tools, we started to implement the functions that evaluates sentence features. By the end of this sprint, we achieved this goal as well. Now we have a full sentence representation with all features. However, we could still add new features as long as we find them useful. At the same time, we continued to gather data from real users. We give them new texts in Turkish and ask them to find the summary sentences. Data gathering part is crucial to our project, since we will train our system with these data.

In the mean time, we started to learn how to implement an auto-encoder and how to use it.

Team evaluation

How well your is team working together? How many meetings did you hold? Are you planning any changes in your cooperation strategy? Which work is completed by which member (in a Gannt chart)?

We had weekly meetings with our assistant and we also met each weekend working on our project, brainstorming how can we improve it. In this sprint, we started to work as a team more, since the individual work is finished. We have started to compound our work.

Task	Assigned Member	1 st week	2 nd week	3 rd week
Learning Zemberek POS Tagger Tool	Abdullah Göktuğ MERT	√		
Searching for the structural sentence features	Yağız ARKAYIN, Abdullah Göktuğ MERT	√		
Searching for the semantic sentence features	Yağız ARKAYIN, Abdullah Göktuğ MERT		√	
Sentence features' implementation	Yağız ARKAYIN, Enes Uğur ŞEKERCİ	√	√	
Using Zemberek tools to get sentence features	Abdullah Göktuğ MERT		√	√
Learning Tensorflow tools	Baran Barış KIVILCIM	√		
Creating a standart sentence representation	All team		√	√
Finding cosine distance between words	Baran Barış KIVILCIM		√	
Learning Auto-Encoder Implementation	Enes Uğur ŞEKERCİ, Baran Barış KIVILCIM		√	√
Finding new texts	Yağız ARKAYIN			√
Obtaining data from real users	All team			√

Backlog Updates

What are your backlog updates?

As we said at Sprint Evaluation part, we were planning to finish the sentence representation compressing in 2nd Sprint, but creating feature sentence representation part took a bit longer than we expected. We have created feature representations of sentences, but we could not finish compressing them. We have learned how auto-encoders work, and the only thing that we will do is train our auto-encoder with sentences' feature representations for finishing compressing them in 3rd Sprint.