Süzgeç Team Default

## **Sprint Evaluation**

In this sprint, our team was planning to complete sentence representation compressing and feature evaluation part. As we wrote in the start-up document, we planned to complete summarization part of whole project in this term. At the end of this sprint, we are really close to complete what we planned. First, we started to finish our backlog task from previous sprint, which is sentence representation and feature evaluation. We almost completed these import tasks. Beside that, we started to use our Deep Learning elements which are auto-encoders and classifiers (Neural Networks). Our research session took to much time because design is very important at this step. We searched for different implementations and decided which programming languages is more useful for this task. We found Python and Matlab implementations, Matlab is more useful for auto-encoders. Also, there are two types of auto-encoders we can used, which are sparse and dense. We decided to use sparse auto-encoders. Simultaneously, we completed our sentence representation and feature evaluation. This step is took 2 sprint, because there are so many works to do as we are not mentioned in start-up document. We used Tensorflow (Python), Zemberek (Java) and wrote our own scripts for specific features in Python.

We also noticed that our data texts are not suitable for summarization. We searched for new text which are suitable for summarization and our project.

## **Team evaluation**

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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
		week	week	week
Using Zemberek tools to get sentence	Abdullah Göktuğ MERT	$\sqrt{}$		
features				
Research for Auto-Encoder	Baran Barış KIVILCIM, Enes	$\checkmark$	$\sqrt{}$	
Implementation	Uğur ŞEKERCİ			
Implementing Auto-Encoders in Python	Enes Uğur ŞEKERCİ		$\sqrt{}$	
Implementing Auto-Encoders in Matlab	Baran Barış KIVILCIM	$\sqrt{}$	$\sqrt{}$	
TRNLTK tokenizer and improve	Abdullah Göktuğ MERT		$\sqrt{}$	
sentence parsing				
Getting all features together	Yağız ARKAYIN		$\sqrt{}$	
Review features and bugfix	Yağız ARKAYIN		$\sqrt{}$	
Training Word2Vec Data Corpus	Enes Uğur ŞEKERCİ		$\sqrt{}$	
Centrality Feature Implementation	Baran Barış KIVILCIM		$\sqrt{}$	
Training Auto-Encoders	Enes Uğur ŞEKERCİ, Baran		$\sqrt{}$	$\sqrt{}$
	Barış KIVILCIM			
Finding new texts	Yağız ARKAYIN	$\checkmark$		
Obtaining data from real users	All team	$\checkmark$	$\sqrt{}$	$\sqrt{}$
Class Representation	Yağız ARKAYIN, Baran Barış			$\sqrt{}$
	KIVILCIM, Abdullah Göktuğ			
	MERT			
Research for classifiers	Baran Barış KIVILCIM			$\sqrt{}$
Implementing classifiers	Baran Barış KIVILCIM			

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Backlog Updates	
In the second sprint, we couldn't finish sentence representation, but in this sprin project requires as more data as possible, we can't say we have finished gatherin stated in the start-up document we will continue to do so in the next sprints. The algorithm we planned to implement is finished, but our supervisor mentione classifier phase. So, we haven't completed this new algorithm. In the next two wimplementing the algorithm and combine these two algorithms to have better readpart from these two issues, we have completed what we have planned in the stamost of these parts are still independent and based on different programming lar we plan to combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all these parts under the same programming language or a second combine all the second c	ed another algorithm for the veeks we plan to finish sults. art-up document. However, nguages. In the next sprint,