

Weekly Report 2019.08.05-2019.08.11

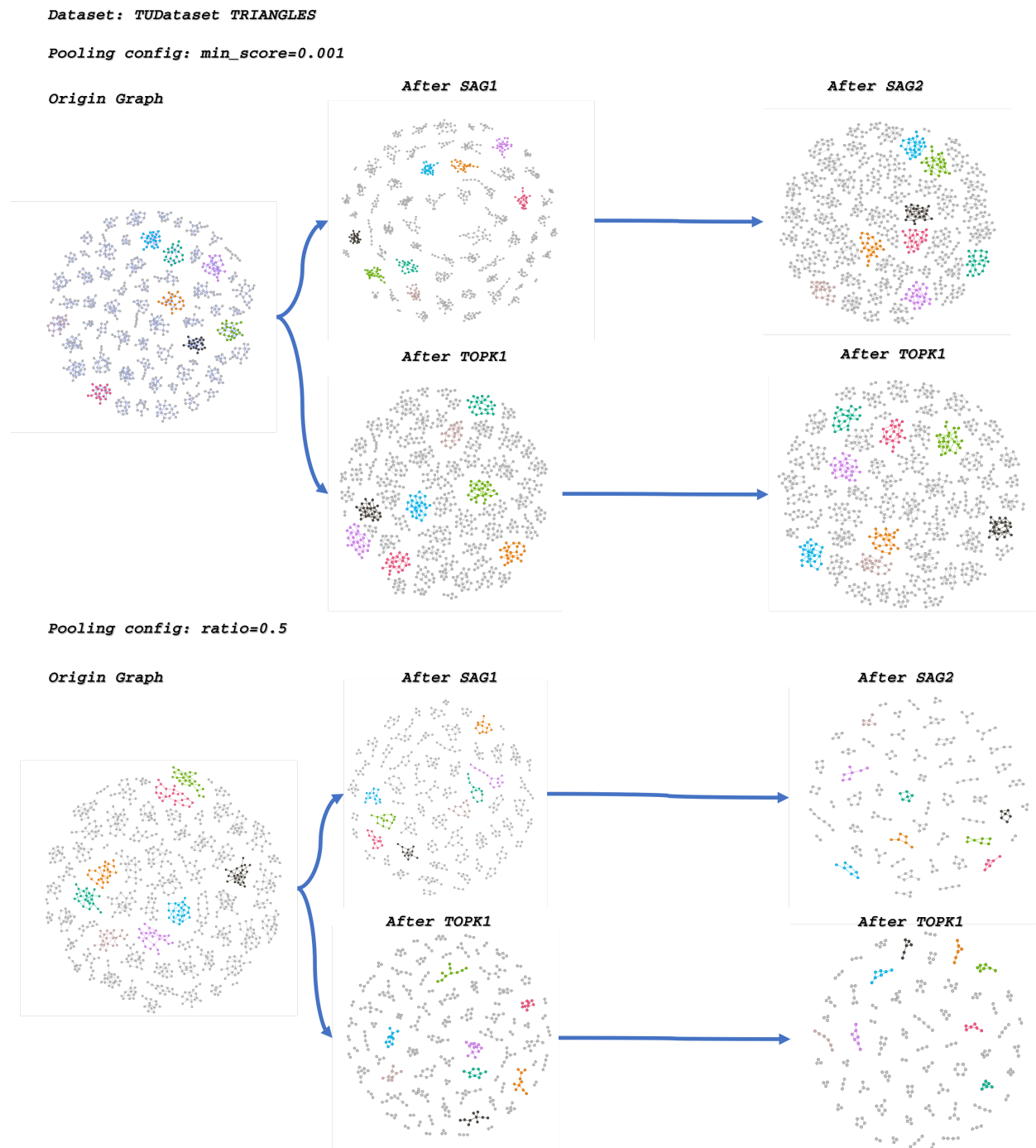
Jingtun ZHANG

WHERE WE ARE:

JINGTUN ZHANG SUMMER INTERNSHIP AT UCSB					
TIME	DFF MODEL	HAG	GNN	GDyNet	void
2019.07.08 ----- 2019.07.14	<div>Single Conv Layer Linear Transform</div> <div>Multi Conv Layer: Magnitude of residual will not be magnified Exponentially</div>	<div>Implementation Question In Redundancy Computing</div> <div>Not Optimal</div>	<div>PyG tutorial</div>		
2019.07.15 ----- 2019.07.21		<div>$O(V^3)$ complexity is not reasonable</div>	<div>GNN review and MPNN Model paper reading</div> <div>unreasonable profiling of MPNN</div>		
2019.07.22 ----- 2019.07.28	<div>Output Flaw and detail problem</div>	<div>More Understanding of HAG and $O(V \log V)$ redundancy computation</div>		<div>GCNN and GDyNet Paper reading and Code review</div> <div>Code reading question Not test new pooling algorithm</div>	
2019.07.29 ----- 2019.08.04		<div>Heap Method, actually $O(V^4 \log V)$, does not work. Some Misunderstanding about algorithm</div> <div>Graph Adjacent Matrix method based HAG 0.0: computable and validate, but no quantitative analyse</div>		<div>Author reply: NO pooling function, just select target nodes embedding</div>	
2019.08.05 ----- 2019.08.11		<div>Paper-reading: Tigr</div> <div>visualization of graph pooling algorithm</div>			

Work and Progress

1. Paper-reading: Tigr, [note](#)
2. Visualization of Pooling effectiveness:



This week plan

1. paper reading for idea:
 1. Graph data Processing
 2. Source code analyse
 3. GNN models

2. experiments of pooling methods
