Title of the paper

Your name

April 12, 2017

1 Paper trivia

- Name of authors and their affiliations
- Conference of the paper
- Length of paper, type of paper, theoretical/experimental/both

2 Problem description

- Write briefly what problem the paper addresses
- In detail write input, output of the problem (also types and formats etc.)
- Make up a small example of input and output. e.g. if it works on social network and it computes centrality of vertices, then make a graph on say 10 vertices and write centrality of each vertex.

3 Motivation and (potential) applications

- What motivations are given in the paper? What application domains does this problem appears in?
- What applications are mentioned for this work?
- What could be some other applications of this work that you can think of?

4 Related, similar and background work

- What are the background work that this paper builds upon? For example, what work does it extend or improve?

- What is some related work that is discussed in this paper? For each describe the main differences of the related work and this.
- Discuss improvement in terms quality, efficiency, scalability, applicability etc. over each of the related work
- Justification of why they have written yet another paper on this problem? This is typically given in a paper.
- Briefly discuss issues/limitations of each existing work that this paper addresses.

5 Main result of this paper

- Describe main results of this paper.
- Discuss how is it related to the problem statement above.
- Discuss runtime, accuracy etc.

6 Main techniques of the paper

- Describe main techniques of the paper
- You should be able to provide a flow diagram, or flow chart type pictorial representation of the main technique
- What parts of the technique achieve better (improved) results over previous ones
- Main differences with related work (at the level described above)
- E.g. if there is an algorithm, you should be able to hide out all details still give the overall flow of algorithm.

7 Dataset

- Briefly describe all dataset descriptions that are given in the paper
- Describe the sources, sizes, statistics, types, etc.
- Does it use synthetic datasets? If so they will always say something about generation process.

8 Evaluation and results

- How does the paper evaluate its results? (which measures are adopted to report goodness of this work)
- How does it compare with related work? (are they comparing same parameters)
- Describe the main results of this paper.
- You may want to give this in tabulated form.

9 Limitations of this paper

- Just like this paper discuss limitations of other work, briefly describe what are three main issues with this paper
- Discuss why a potential user (identified above in motivation section) would not want to use it.
- e.g. runtime is prohibitive, only works for undirected graphs, only works for small scale etc.

10 Main achievements of this paper

- What do you think are main achievements of this paper (2 or 3 of them).
- Here give your opinion, but you can agree with the justification they provided in introduction or related work section or evaluation section

11 Future Work / Potential Extensions

- What do you think are three main aspects where this work can be continued.
- Think of pointing out three potential future projects based on this work (sometime there is a conclusion and/or future work section. Give a brief idea about each of three aspects you identified, e.g. what do you think can be differently to improve efficiency, or quality, why do you think it will work.
- Rethink your three main limitations that you listed and justified above
- Google forward references of this paper to see if any of the extensions have already been addressed. You might get some ideas of future work from this too. Generally one or more of the same author set extend their work (or their students). Google citations of this paper to get its forward references.