Swarm intelligence for counting the degrees of separation in Twitter

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Abstract

This is a great project and therefore it has a concise abstract.
Keywords: Swarm Intelligence, Ant Colony Optimization, Twitter, Degrees of Separation.

1. Problem statement and goals

This is where the content of your paper starts. Remember:

- **Limit the main text (without bibliography and appendices) to 10 pages.**
- **Include, either in the main text or the appendices, enough details to convince the lecturers of the project's merits.**
- **You should cite all relevant references, including your own.**

Content:

1. Explain theory of the 6 degrees
2. Define the network
3. Goals: estimate the degrees of separation in twitter

2. Previous work

- ACO original (Colorni et al., 1991)
- general theory (Watts and Strogatz, 1998)
- on Twitter as (Cheng, 2010)
- on other social nets such as

3. The CI methods

Swarm intelligence and Ant colony optimization

4. Results and Discussion

5. Extensions, strengths and weaknesses

6. Conclusions

References

References

Alex Cheng. Six degrees of separation, twitter style, 2010. URL http://www.sysomos.com/insidetwitter/sixdegrees/.

Alberto Colorni, Marco Dorigo, and Vittorio Maniezzo. Distributed Optimization by Ant Colonies. In *European Conference on Artificial Life*, pages 134–142, 1991.

Duncan J Watts and Steven H Strogatz. Collective dynamics of "small-world" networks. *nature*, 393(6684):440–442, 1998.

Appendix A. Implementation details

(if applicable)