CPS 3601 W01 Final Project Proposal

An NLP-based Rumor Detector for Senior Citizens

**Group members**

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**Background**

If you want to find the newest and most hilarious rumors, go check your family’s WeChat group. The contents shared might be different, but with the unchanging themes and a “typical tone” of fake-storytelling, it’s easy for us young to distinguish. But the seniors, mostly born in 1940s-60s, who had just learned the internet skills, always believe in these things without suspicion, which may end up selling some ridiculous products to the seniors citizens.

**Goal**

Design a simple rumor detection software to help seniors avoid property damage or other negative effects brough by fake information.

**Implement details (temporary)**

1. Find & build Chinese rumor database with python crawler;
2. Tag and use this data for training;
3. Design a mobile software interface that can view & analyze users’ currently reading content.
4. Analyze the content and compare with Chinese rumor dataset, whenever the reliability of information is suspected, send warnings to user’s screen.
5. Alternative: search key words and compare contents with some official refuted rumors.

**Methodology**

**Reference**

https://github.com/sileixinhua/News-classification