



Final Project Proposal

Emmanuel Agu





Announcements

- **Pick project area:**
 - Due last week (Feb 8)
 - If you haven't, do so by 11.59PM tomorrow
- **Next Tuesday**
 - Propose project
 - 1 page summary required



Proposal

- **Submit (Written 2 pages max **PDF file**)**
 - **Introduction**
 - List team members (or alone)
 - Why is problem important?
 - Potential gain if you are successful
 - Substantiate claims. Throw some numbers (\$\$, time)
 - **Related work**
 - Work is part of a community
 - Good research built on top of giants shoulders
 - What else has been done in this area (academic + commercial)
 - How is your work different?



Proposal

- **Methodology/Design/Tools:**
 - Brain storm!
 - Summary of what you intend to do
 - How you intend to do it?
 - Don't promise too much
 - Focus on **science results learned** vs **product mentality**
- **To help you**
 - By Saturday, I will email sample projects
 - Will also post list of team members as I get them
- **Proposal emailed + summaries by next class**
- **If you are confused, email me or phone?**



Steps to Coming up with a Project

1. **Click on papers,**
 - i. find area you like
 - ii. What type of work do you like? Experimental? theory?
 - iii. What are your strengths? Networking? Machine learning
2. **Find papers you like within area or search ACM digital library or IEEE Xplore**
3. **Can each paper be extended?**
 - a. Look at future work
 - b. Repeat experiments + other things they didn't try. E.g.
 - i. Re-do Mobile content paper + compare results today
 - ii. Smart phone traffic + understand locations where people do XYZ 5



Steps to Coming up with a Project

- c. Apply basic idea to different use case. E.g. Last week's AwareMedia or AwarePhone applied to WPI Campus, etc



Discussion Questions

- Nature of contribution?
- What were the main contributions of this work?
- What were their main results?
- Were their claims backed up well by numbers?
- Will their ideas scale up well?
- What did you learn from this paper?
- What did you like about the paper?
- What did you dislike about this paper?
- Project ideas?