CSCE 475/875
Game Day 2: Voting Day

Assigned: September 29, 2011   Game Day: October 11, 2011

Introduction

Welcome to Soh's Agency for Movies Preference Aggregation (SAMPA). Note that this agency is simply collecting information on movies, in an efficient and effective manner. In a way, voters (or agents) are non-strategic – as each voter should reveal their preferences truthfully as nothing is to be gained either way.

This document is supplementary to Game Day 2: Voting Day assignment.

Procedure

Each team will be the same list of movies on Game Day in an Excel file. Then for each round, each team is required to provide their voting and e-mail their Excel file back to the Game Day monitor(s).

Then the Game Day monitor(s) will aggregate the votes and send the aggregated Excel file back to all teams.

Then, for Round 1, 2, 3, 5, and 6, each team will e-mail the winner to the Game Day monitor(s).

Because there are six rounds, please FOLLOW the following file naming convention. Several teams failed to do so in Game Day 1 causing confusions for the Game Day monitor(s). So, this time around, teams with incorrect naming convention will be penalized (-5 points).

```
Round<Round Number>_<TeamName>_Voting.xls
```

OR
```
Round<Round Number>_<TeamName>_Voting.xlsx
```

So, for Round 1, if my team name is Foobar, then, my filename will be:

```
Round1_Foobar.xls
```

For the "winner" e-mail, a simple note would do. Please do indicate your Team Name and the selected winner clearly in your e-mail.

The timestamp of your e-mail (sent) will serve as the time stamp that we use to judge your "timeliness".

Please come prepared and know all the six voting definitions well. We will not answer any questions about the voting definitions and you should not ask questions about any either.

Further, you are allowed to submit the winning candidate (movie) for a round multiple times during the allotted time for that round. However, if any wrong answer will result in a penalty of 2 points from your final grade for the Game Day.

Round 1: Plurality Voting

- **Please copy and paste your vote and movie titles into this space.**

- **Selected winner(s) after aggregating all votes: _____**

Round 2: Cumulative Voting

- **Please copy and paste your vote and movie titles into this space.**

- **Selected winner(s) after aggregating all votes: _____**

Round 3: Approval Voting

- **Please copy and paste your vote and movie titles into this space.**

- **Selected winner(s) after aggregating all votes: _____**

Round 4: Plurality with Elimination

Round	Your Vote	Eliminated Candidate(s)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

* Since each team is allowed to re-vote only if their candidate is eliminated, it is possible that you will end up having the same vote for some or even all rounds. If yes, then put in the same vote.

- Selected winner(s) after aggregating all votes: _____

Round 5: Borda Voting

Submit your preference ordering using n-1 points for the highest ranked candidate, n-2 points for the second highest candidate, and so forth, and finally 0 point for the last candidate.

- **Please copy and paste your vote and movie titles into this space.**

- **Selected winner(s) after aggregating all votes: _____**

- **The preference ordering after aggregating all votes (please copy and paste the ordering into this space)**

Question 1. Using the above aggregated preference ordering, revisit Round 4 results, is the Condorcet condition satisfied? (Justify your answer.)

Question 2. Given the Borda voting results, is there a spoiler item such that its remove from the list would cause significant changes to the preference ordering? (Justify your answer.)

We will reveal the pairwise elimination order (schedule or agenda) on the Game Day. It will be e-mailed to you in a MS Word document such that you can copy and paste that into this space.

For this round, no new votes will be solicited since the preference ordering of all teams will have been given to each team in Round 5.

- **Please copy and paste the schedule into this space.**
-
- **Please fill in the winner for each round all the way to the final.**

- **Selected winner(s) after aggregating all votes: _____**

Question 3. Did the above pairwise elimination order cause an item that Pareto-dominates another candidate to finish behind the dominated candidate? (Justify your answer.)

Question 4. Provide another pairwise elimination order that would cause an item that Pareto-dominates another candidate to finish behind the dominate candidate?

Lessons Learned

Notes: