

CSCE 475/875  
**Game Day 2: Voting Day**

**Assigned: October 9, 2013    Game Day: October 23, 2013**

<b>Introduction</b>
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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.

<b>Procedure</b>
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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 Rounds 1, 2, 3, 5, and 6, each team will e-mail the winner to the Game Day monitor(s).

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 one time. However, if any wrong answer will result in a penalty of 2 points from your final grade for the Game Day.

Here is the link to the Game Day site:

<http://cse.unl.edu/~ezhang/gameday/voting/game/>.

Below is the list of movies:

Amour	Money ball
Argo	Pacific Rim
Beasts of the Southern Wild	Rango
Beginners	Silver Linings Playbook
Brave	Star Trek: Into darkness
Django Unchained	The Artist
Extremely Loud and Incredibly Close	The Avengers
Hugo	The Croods
Ice Age: Continental Drift	The Dark Knight Rises
Iron Man 3	The Descendants
Les Miserables	The Girl with the Dragon Tattoo
Life of Pi	The Help
Lincoln	The Hobbit: The Unexpected Journey
Man of Steel	The Iron Lady
Midnight in Paris	The Tree of Life
	War Horse
	Zero Dark Thirty

**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: 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.)**

**Round 5: Plurality with Elimination**

Round	Eliminated movie(s)	Teams that had to revote	Movies that received the re-votes
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
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16			
17			
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24			
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27			
28			
29			
30			
31			

\* 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 two or more movies are rated the worst, then they are all eliminated. And those who had voted for them (to be winners) are to revote.

- Selected winner(s) after aggregating all votes: \_\_\_\_\_

**Round 6: Pairwise Elimination**

**Below is the pairwise elimination order (schedule or agenda) for the Game Day. Please fill out this table.**

Candidate	Round 1	Round 2	Round 3	Round 4	Round 5
Amour					
Argo					
Beasts of the Southern Wild					
Beginners					
Brave					
Django Unchained					
Extremely Loud and Incredibly Close					
Hugo					
Ice Age: Continental Drift					
Iron Man 3					
Les Miserables					
Life of Pi					
Lincoln					
Man of Steel					
Midnight in Paris					
Money ball					
Pacific Rim					
Rango					
Silver Linings Playbook					
Star Trek: Into darkness					
The Artist					
The Avengers					
The Croods					
The Dark Knight Rises					
The Descendants					
The Girl with the Dragon Tattoo					
The Help					
The Hobbit: The Unexpected Journey					
The Iron Lady					
The Tree of Life					
War Horse					
Zero Dark Thirty					

**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 4.**

- 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:**