

The Borda Social Choice Movie Recommender

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- We provide a visual comparison of different clustering techniques
- Movie recommendations, which satisfy user preferences

The image displays a series of movie recommendation cards arranged in a grid. The top row, enclosed in a red dashed border, features five cards: **AMERICAN BEAUTY** (Release: 01 Oct 1999), **GOOD WILL HUNTING** (Release: 09 Jan 1998), **DONNIE DARKO** (Release: 26 Oct 2001), **BLACK SWAN** (Release: 17 Dec 2010), and **A BEAUTIFUL MIND** (Release: 04 Jan 2002). The bottom row, enclosed in a blue dashed border, features five cards: **A BEAUTIFUL MIND** (Release: 04 Jan 2002), **GOOD WILL HUNTING** (Release: 09 Jan 1998), **DONNIE DARKO** (Release: 26 Oct 2001), **THE PRESTIGE** (Release: 20 Oct 2006), and **MILLION DOLLAR BABY** (Release: 28 Jan 2005). Between these rows are two green rows and two pink rows, each containing five movie cards with their respective titles and release dates. At the bottom of the grid are three red buttons: "Unlike", "Unequal", and "Unlike".



- **Clustering** movies using **k-means++** with traditional distance measures like *Euclidean* distance and *Canberra* norm
- **New:**
 - Exploiting the **Borda Social Choice Voting Rule** to avoid domain normalization in k-means++
 - Use **quality measures** to find suitable values for the desired number of k clusters
- Come and see our **demo**
 - **Wednesday at 13:30**
 - **Demo Session 1**
 - **Room Zuse 210**