

Demo: Displaying Justifications for Collective Decisions

Automated Justification

Enter a profile of preferences and choose an outcome. Then ask the computer to find a convincing justification for your choice.

Alternative

Chianti

Amarone

Brunello

Automated Justification

Now define the profile of preferences. To add a new ballot, click on "add ballot" and then click on the alternatives to the left to rank them. You can click on an already-ranked alternative to remove it. The numbers indicate the number of voters expressing a given preference.

2

Chianti

Brunello

Amarone

1

Chianti

Brunello

Amarone

1 Define a Voting Scenario

- Add Alternatives
- Add Ballots

2 Set up the Search

- Select Outcome
- Select Axioms

Automated Justification

Here is the profile of preferences you have specified:

#1: Amarone > Chianti > Brunello
#1: Brunello > Amarone > Chianti
#1: Brunello > Chianti > Amarone
#2: Chianti > Brunello > Amarone

We will now ask the computer to find a justification for an outcome. First, choose the outcome (you can indicate a tie by ticking multiple winners). Then, choose the normative principles you want the computer to use in the justification.

Winners:

Amarone
 Brunello
 Chianti

Principles:

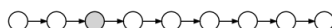
Cancellation
 Condorcet
 Faithfulness
 Neutrality

Pareto
 Reinforcement
 Responsiveness

Automated Justification

In profile R_1 , alternative *Amarone* is Pareto-dominated. Hence, it cannot be among the winners.

	Amarone	Brunello	Chianti	Amarone Brunello	Amarone Chianti	Brunello Chianti	Amarone Brunello Chianti
R_1							
R_2	x	✓	✓	x	x	✓	x
R_3	#1: Brunello > Chianti > Amarone						
	#1: Chianti > Brunello > Amarone						



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3 Explore the Justification

- Step-by-Step Explanation
- Provide Feedback



SCAN ME

tinyurl.com/justify-outcomes